

=> file reg
FILE 'REGISTRY' ENTERED AT 15:55:19 ON 28 AUG 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 AUG 2003 HIGHEST RN 573925-63-0
DICTIONARY FILE UPDATES: 26 AUG 2003 HIGHEST RN 573925-63-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

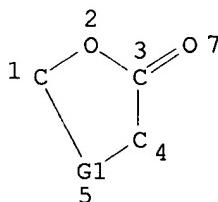
=> file hcplus
FILE 'HCPLUS' ENTERED AT 15:55:24 ON 28 AUG 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 28 Aug 2003 VOL 139 ISS 9
FILE LAST UPDATED: 27 Aug 2003 (20030827/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L30 STR



68,958 from the query

REP G1=(0-4) C

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE

L32 SCR 2043

L34 68958 SEA FILE=REGISTRY SSS FUL L30 NOT L32

L35 71847 SEA FILE=HCAPLUS ABB=ON L34

L36 134 SEA FILE=HCAPLUS ABB=ON L35(L) (HAIR OR KERAT?)

L37 13 SEA FILE=HCAPLUS ABB=ON L36 AND ACID?(6A) DYE?

L39 30 SEA FILE=HCAPLUS ABB=ON L36 AND DYE?

L40 18 SEA FILE=HCAPLUS ABB=ON L39 AND COMPOSITION?

L41 23 SEA FILE=HCAPLUS ABB=ON L37 OR L40

=> d 141 all 1-23 hitstr

L41 ANSWER 1 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:371661 HCAPLUS

DN 138:390526

TI Odor masking **compositions** containing fragrant substances for
hair cosmetics

IN Kawasaki, Kiyomitsu

PA Japan

SO Jpn. Kokai Tokkyo Koho, 81 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-46

ICS A61K007-06; A61K007-09; A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003137758	A2	20030514	JP 2001-330894	20011029
PRAI	JP 2001-330894		20011029		

AB The compns., useful for permanent wave agents, hair **dyes**, etc., contain .gtoreq.1 fragrances chosen from hydrocarbons, alcs., phenols, aldehydes and/or acetals, ketones and/or ketals, ethers, synthetic musks, acids, lactones, esters, N-, S-, and/or halogen-contg. compds., and natural fragrances. A fragrance **compon.** was prep'd. from 1,3,5-undecatriene 10, 10-undecenol 10, 1-octen-3-ol 10, 10-undecenal 10, 2,4-decadienal 10, 1,8-cineole 10, phenylacetic acid (1%) 10, 1-ethynylcyclohexyl acetate 10, 1-octen-3-yl acetate 5, 2-ethylhexyl acetate 10, and Abies fir oil 5 wt. parts.

ST odor masking fragrance hair cosmetic; permanent wave agent odor masking fragrance; hair **dye** odor masking fragrance

IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Abies fir; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ambrette seed; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Amyris; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Angelica; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Calamus; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cascarilla; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cassia China; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cinnamome Ceylon; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ciste labdanum; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Civet; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Clove Bourbon; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Codium fragile; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Elemi; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Galbanum; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Geranium glass; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ginger glass; odor masking compns. contg. fragrant substances for hair

cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Guaiac; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Hinoki; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ho wood; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Hyacinth; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Jonquilla; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Laurel; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Lavandin; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Lovage; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Melissa; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Mimosa; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Narcissus; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Oak moss; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Opopanax; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Pennyroyal; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Pepper; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Balsams
Balsams
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Peru; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Pimento berry; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Roman chamomile; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Rose Bulgaria; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Rosewood; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Spike lavender; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Styrax; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Sweet fennel; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Tolu balsam; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Tonka beans; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Tuberose; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Verbena; odor masking compns. contg. fragrant substances for hair
cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Vetiver Bourbon; odor masking compns. contg. fragrant substances for
hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(Vetiver oil Java; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Violet leave; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Cucumber (*Cucumis sativus*)
Pineapple (*Ananas comosus*)
(aldehyde of; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Coconut (*Cocos nucifera*)
(aldehyde; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Waxes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ambergris, tincture; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(anise; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(basil, *Ocimum basilicum*; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(bay; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(bergamot; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(bitter almond; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(buchu; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(camphor; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(caraway; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cardamom; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cassia, Cananga Java; odor masking compns. contg. fragrant substances

for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cassia; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Secretions (external)
(castoreum, resinoid; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cedarwood; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(celery; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(chamomile; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(citronella; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(clove; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Balsams
Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(copaiba; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(coriander seed; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(costus; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cumin; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cypress; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Hair preparations
(dyes; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(eucalyptus; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(fennel; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Musks
(fragrances; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Acetals
Alcohols, biological studies
Aldehydes, biological studies
Carboxylic acids, biological studies
Esters, biological studies
Ethers, biological studies
Hydrocarbons, biological studies
Ketals
Ketones, biological studies
Lactones
Phenols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fragrances; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(geranium; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ginger; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(guaiac wood; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hiba wood; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hyssop; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(incense oil; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(jasmine; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(juniper, Juniperus communis berry; odor masking compns. contg.
fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(labdanum; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(lavender; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(lemon; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(lemongrass; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(lime; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(mandarin orange; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(mandarin; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(marjoram; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(nutmeg butter; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(nutmeg; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Hair preparations
Perfumes
Sage (Salvia)
Wintergreen
(odor masking compns. contg. fragrant substances for hair cosmetics)

IT Paraffin oils
Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. contg. fragrant substances for hair cosmetics)

IT Aldehydes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(of pineapple or coconut; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(orange flow; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(orange, sour; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(orange, sweet; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(parsley; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(patchouli; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(peppermint; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Hair preparations
(permanent wave; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(petigrain Paraguay; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(petigrain; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(petitgrain; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(pine; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Vanilla
(resinoid; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rosemary; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rue; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sage, Salvia officinalis; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sandalwood; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(spearmint; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(tangerine; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(tarragon; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(thyme, Thymus vulgaris; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Balsams
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(tolu; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vanilla; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(wintergreen; odor masking compns. contg. fragrant substances for hair cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ylang-ylang; odor masking compns. contg. fragrant substances for hair cosmetics)

IT 124-13-0, Aldehyde C 8
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Aldehyde C 8; odor masking compns. contg. fragrant substances for hair cosmetics)

IT 31244-58-3, Octalin
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(formate deriv.; odor masking compns. contg. fragrant substances for hair cosmetics)

IT 50-21-5, Lactic acid, biological studies 57-06-7, Allyl isothiocyanate
57-11-4, Stearic acid, biological studies 57-55-6, Propylene glycol,
biological studies 60-12-8, .beta.-Phenylethyl alcohol 60-29-7,
Diethyl ether, biological studies 60-33-3, Linolic acid, biological
studies 64-19-7, Acetic acid, biological studies 65-85-0, Benzoic
acid, biological studies 66-25-1, Hexanal 67-47-0,
5-(Hydroxymethyl)-2-furfural 67-64-1, Acetone, biological studies
68-11-1, Mercaptoacetic acid, biological studies 72-18-4, Valine,
biological studies 75-07-0, Acetaldehyde, biological studies 75-18-3,
Dimethyl sulfide 75-33-2, Isopropyl mercaptan 76-22-2, Camphor
77-53-2, Cedrol 77-54-3, Cedryl acetate 77-73-6, Dicyclopentadiene
77-83-8, Ethylmethylphenyl glycidate 77-92-9, Citric acid, biological
studies 77-93-0, Triethyl citrate 78-35-3, Linalyl isobutyrate
78-36-4, Linalyl butyrate 78-37-5, Linalyl cinnamate 78-69-3,
Tetrahydrolinalool 78-70-6, Linalool 78-79-5, Isoprene, biological
studies 78-93-3, 2-Butanone, biological studies 79-09-4, Propionic
acid, biological studies 79-20-9, Methyl acetate 79-31-2, Isobutyric
acid 79-78-7, Allyl .alpha.-ionone 79-92-5, Camphene 80-26-2
80-27-3 80-54-6, Lilial 80-56-8, .alpha.-Pinene 80-57-9, Verbenone
80-59-1, Tiglic acid 80-71-7, Cyclotene 83-34-1, Skatole 83-66-9,
Musk ambrette 83-86-3, Phytic acid 84-66-2, Diethyl phthalate
85-91-6, Methyl N-methylanthranilate 87-19-4, Isobutyl salicylate
87-20-7, Isoamyl salicylate 87-22-9 87-25-2, Ethyl anthranilate
87-29-6, Cinnamyl anthranilate 87-44-5, .beta.-Caryophyllene 87-69-4,

Tartaric acid, biological studies 87-91-2, Diethyl tartrate 88-09-5, 2-Ethylbutyric acid 88-29-9, Versalide 88-41-5, o-tert-Butylcyclohexyl acetate 88-84-6, Guaiene 89-43-0 89-79-2, Isopulegol 89-80-5, Menthone 89-81-6, Piperitone 89-82-7 89-83-8, Thymol 90-02-8, Salicylaldehyde, biological studies 90-05-1, Guaiacol 90-17-5, Rose phenone 90-87-9, Hydrotropaldehyde dimethyl acetal 91-10-1, 2,6-Dimethoxyphenol 91-16-7, 1,2-Dimethoxybenzene 91-17-8, Decalin 91-20-3, Naphthalene, biological studies 91-22-5, Quinoline, biological studies 91-60-1, 2-Naphthyl mercaptan 91-61-2 91-64-5, Coumarin 91-87-2, .alpha.-Amylcinnamic aldehyde dimethyl acetal 92-48-8, 6-Methylcoumarin 92-52-4, Biphenyl, biological studies 93-04-9, .beta.-Naphthyl methyl ether 93-08-3, 2'-Acetonaphthone 93-15-2, Methyleugenol 93-16-3, Methylisoeugenol 93-18-5, .beta.-Naphthyl ethyl ether 93-19-6, 2-Isobutylquinoline 93-28-7, Acetyl eugenol 93-29-8, Acetyl isoeugenol 93-51-6, Creosol 93-55-0, Propiophenone 93-58-3, Methyl benzoate 93-60-7, Methyl nicotinate 93-89-0, Ethyl benzoate 93-92-5, Styralyl acetate 94-30-4, Ethyl p-anisate 94-46-2, Isoamyl benzoate 94-47-3, Phenylethyl benzoate 94-48-4, Geranyl benzoate 94-59-7, Safrole 94-62-2, Piperine 94-86-0 95-16-9, Benzothiazole 95-21-6, 2-Methylbenzoxazole 96-04-8, 2,3-Heptanedione 96-17-3, 2-Methylbutanal **96-48-0**, .gamma.-Butyrolactone 96-54-8, 1-Methylpyrrole 97-42-7, Carvyl acetate 97-45-0 97-53-0, Eugenol 97-54-1, Isoeugenol 97-62-1, Ethyl isobutyrate 97-64-3, Ethyl lactate 97-85-8, Isobutyl isobutyrate 97-87-0, Butyl isobutyrate 97-89-2, Citronellyl isobutyrate 98-00-0, Furfuryl alcohol 98-01-1, Furfural, biological studies 98-02-2, Furfuryl mercaptan 98-52-2 98-53-3, p-tert-Butylcyclohexanone 98-82-8, Cumene 98-85-1, Styralyl alcohol 98-86-2, Acetophenone, biological studies 99-48-9, Carveol 99-72-9 99-83-2, .alpha.-Phellandrene 99-87-6, p-Cymene 100-06-1, p-Methoxyacetophenone 100-21-0, Terephthalic acid, biological studies 100-42-5, Styrene, biological studies 100-51-6, Benzyl alcohol, biological studies 100-52-7, Benzaldehyde, biological studies 100-66-3, Methoxybenzene, biological studies 100-86-7, Dimethylbenzylcarbinol 101-39-3, .alpha.-Methylcinnamic aldehyde 101-41-7, Methylphenyl acetate 101-48-4, Phenylacetaldehyde dimethyl acetal 101-81-5, Diphenylmethane 101-84-8, Diphenyl oxide 101-85-9, .alpha.-Amylcinnamic alcohol 101-86-0 101-94-0, p-Cresylphenyl acetate 101-97-3, Ethylphenyl acetate 102-04-5, Dibenzyl ketone 102-13-6, Isobutylphenyl acetate 102-16-9, Benzylphenyl acetate 102-20-5, Phenylethyl phenylacetate 102-22-7, Geranylphenyl acetate 102-76-1, Triacetin 103-05-9, 1,1-Dimethyl-3-phenylpropanol 103-07-1, Dimethylphenylethylcarbinyl acetate 103-09-3, 2-Ethylhexyl acetate 103-26-4, Methyl cinnamate 103-28-6, Benzyl isobutyrate 103-36-6, Ethyl cinnamate 103-37-7, Benzyl butyrate 103-38-8, Benzyl isovalerate 103-41-3, Benzyl cinnamate 103-45-7 103-48-0 103-50-4, Dibenzyl ether 103-52-6 103-53-7 103-54-8, Cinnamyl acetate 103-56-0, Cinnamyl propionate 103-58-2, 3-Phenylpropyl isobutyrate 103-59-3, Cinnamyl isobutyrate 103-60-6 103-61-7, Cinnamyl butyrate 103-82-2, Phenylacetic acid, biological studies 103-93-5, p-Cresyl isobutyrate 103-95-7, Cyclamenaldehyde 104-09-6, p-Methylphenylacetaldehyde 104-27-8, .alpha.-Methylanisalacetone 104-46-1, Anethole **104-50-7**, .gamma.-Octalactone 104-53-0, Benzenepropanal 104-54-1, Cinnamic alcohol 104-55-2, Cinnamic aldehyde 104-57-4, Benzyl formate **104-61-0**, .gamma.-Nonalactone 104-62-1 104-65-4, Cinnamyl formate **104-67-6**, .gamma.-Undeca lactone 104-76-7, 2-Ethylhexanol 104-87-0 104-90-5, 5-Ethyl-2-methylpyridine 104-93-8, p-Methylanisole 105-01-1, Isobutyl 2-furanpropionate 105-13-5, p-Anisyl alcohol **105-21-5**, .gamma.-Heptalactone

105-37-3, Ethyl propionate 105-53-3, Diethyl malonate 105-54-4, Ethyl butyrate 105-57-7, Acetaldehyde diethyl acetal 105-66-8, Propyl butyrate 105-68-0, Isoamyl propionate 105-79-3, Isobutyl hexanoate 105-85-1, Citronellyl formate 105-86-2, Geranyl formate 105-87-3, Geranyl acetate 105-89-5, Rhodinyl propionate 105-90-8, Geranyl propionate 105-91-9, Neryl propionate 105-95-3, Ethylene brassylate 106-02-5, Pentalide 106-18-3, Butyl dodecanoate 106-21-8, 3,7-Dimethyl-1-octanol 106-22-9, Citronellol 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-26-3, Neral 106-27-4, Isoamyl butyrate 106-29-6, Geranyl butyrate 106-30-9, Ethyl heptanoate 106-32-1, Ethyl caprylate 106-33-2, Ethyl dodecanoate 106-35-4, 3-Heptanone 106-36-5, Propyl propionate 106-44-5, p-Cresol, biological studies 106-46-7 106-65-0, Dimethyl succinate 106-68-3, 3-Octanone 106-70-7, Methyl caproate 106-72-9, Melonal 106-73-0, Methyl heptanoate 107-21-1, Ethylene glycol, biological studies 107-41-5, Hexylene glycol 107-75-5, Hydroxycitronellal 107-87-9, 2-Pentanone 107-88-0, Butane-1,3-diol 107-92-6, Butyric acid, biological studies 108-21-4, Isopropyl acetate 108-29-2, .gamma.-Valerolactone 108-48-5, 2,6-Lutidine

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. contg. fragrant substances for hair cosmetics)

IT 108-50-9, 2,6-Dimethylpyrazine 108-64-5, Ethyl isovalerate 108-94-1, Cyclohexanone, biological studies 109-08-0, 2-Methylpyrazine 109-15-9, Octyl isobutyrate 109-19-3, Butyl isovalerate 109-20-6, Geranyl isovalerate 109-21-7, Butyl butyrate 109-29-5, Cyclohexadecanolide 109-42-2, Butyl 10-undecenoate 109-52-4, Valeric acid, biological studies 109-60-4, Propyl acetate 109-86-4, Ethylene glycol monomethyl ether 109-94-4, Ethyl formate 109-99-9, Tetrahydrothiophene 110-02-1, Thiophene 110-12-3 110-15-6, Succinic acid, biological studies 110-16-7, Maleic acid, biological studies 110-17-8, Fumaric acid, biological studies 110-19-0, Isobutyl acetate 110-27-0, Isopropyl myristate 110-38-3, Ethyl caprinate 110-39-4, Octyl butyrate 110-40-7, Diethyl sebacate 110-41-8, 2-Methylundecanal 110-42-9, Methyl decanoate 110-43-0, 2-Heptanone 110-45-2, Isoamyl formate 110-54-3, Hexane, biological studies 110-62-3, Pentanal 110-71-4, Ethylene glycol dimethyl ether 110-74-7, Propyl formate 110-80-5, Ethylene glycol monoethyl ether 110-82-7, Cyclohexane, biological studies 110-83-8, Cyclohexene, biological studies 110-86-1, Pyridine, biological studies 110-89-4, Piperidine, biological studies 110-93-0, Methylheptenone 110-94-1, Glutaric acid 111-11-5, Methyl caprylate 111-13-7, 2-Octanone 111-14-8, Heptanoic acid 111-29-5, Pentamethylene glycol 111-46-6, Diethylene glycol, biological studies 111-55-7, Ethylene glycol Diacetate 111-61-5, Ethyl stearate 111-62-6, Ethyl oleate 111-65-9, Octane, biological studies 111-70-6, 1-Heptanol 111-71-7, Heptanal 111-76-2, Ethylene glycol monobutyl ether 111-77-3, Diethylene glycol monomethyl ether 111-79-5, Methyl 2-nonenanoate 111-82-0, Methyl laurate 111-84-2, Nonane 111-87-5, Octanol, biological studies 111-90-0, Diethylene glycol monoethyl ether 111-96-6, Diethylene glycol dimethyl ether 112-05-0, Nonanoic acid 112-06-1, Heptyl acetate 112-07-2, Ethylene glycol Monobutyl ether acetate 112-12-9, 2-Undecanone 112-14-1, Octyl acetate 112-17-4, Decyl acetate 112-30-1, 1-Decanol 112-31-2, Decanal 112-32-3, Octyl formate 112-34-5, Diethylene glycol monobutyl ether 112-36-7, Diethylene glycol diethyl ether 112-37-8, Undecanoic acid 112-38-9, Undecylenic acid 112-40-3, Dodecane 112-43-6, 10-Undecenol 112-44-7, Undecanal 112-45-8, 10-Undecenal 112-48-1, Ethylene glycol dibutyl ether 112-53-8, 1-Dodecanol

112-54-9, Dodecanal 112-62-9, Methyl oleate 112-66-3, Dodecyl acetate
112-73-2, Diethylene glycol dibutyl ether 112-80-1, Oleic acid,
biological studies 115-10-6, Dimethyl ether 115-18-4,
Dimethylvinylcarbinol 115-95-7, Linalyl acetate 115-99-1, Linalyl
formate 116-26-7, Safranal 116-53-0, 2-Methylbutyric acid 116-66-5,
Moskene 118-55-8, Phenyl salicylate 118-58-1, Benzyl salicylate
118-61-6, Ethyl salicylate 118-71-8, Maltol 119-36-8, Methyl
salicylate 119-61-9, Benzophenone, biological studies 119-64-2,
Tetralin 119-65-3, Isoquinoline 119-84-6 120-11-6, Benzylisoeugenol
120-14-9, Methylvanillin 120-24-1, Isoeugenylphenyl acetate 120-50-3,
Isobutyl benzoate 120-51-4, Benzyl benzoate 120-57-0, Heliotropine
120-58-1, Isosafrole 120-72-9, Indole, biological studies 120-92-3,
Cyclopentanone 121-32-4, Ethylvanillin 121-33-5, Vanillin 121-34-6,
Vanillic acid 121-39-1, Ethyl 3-phenylglycidate 121-98-2 122-00-9,
p-Methylacetophenone 122-03-2, Cuminaldehyde 122-40-7 122-43-0,
Butylphenyl acetate 122-48-5, 4-(4-Hydroxy-3-methoxyphenyl)-2-butanone
122-57-6, Benzylidene acetone 122-63-4, Benzyl propionate 122-67-8,
Isobutyl cinnamate 122-69-0, Cinnamyl cinnamate 122-70-3, Phenylethyl
propionate 122-72-5, 3-Phenylpropyl acetate 122-73-6, Isoamyl benzyl
ether 122-74-7, 3-Phenylpropyl propionate 122-78-1, Phenylacetaldehyde
122-84-9 122-91-8, Anisyl formate 122-97-4, Hydrocinnamic alcohol
122-99-6, Phenoxyethyl alcohol 123-07-9, p-Ethylphenol 123-11-5,
p-Methoxybenzaldehyde, biological studies 123-19-3, 4-Heptanone
123-25-1, Diethyl succinate 123-29-5, Ethyl nonanoate 123-32-0,
2,5-Dimethylpyrazine 123-35-3, 7-Methyl-3-methylene-1,6-octadiene
123-42-2, Diacetone alcohol 123-63-7, Paraldehyde 123-66-0, Ethyl
caproate 123-68-2, Allyl caproate 123-69-3, Musk ambrette 123-75-1,
Tetrahydropyrrole, biological studies 123-76-2, Levulinic acid 123-86-4,
Butyl acetate 123-92-2, Isoamyl acetate 123-95-5, Butyl stearate
123-96-6, 2-Octanol 124-06-1, Ethyl myristate 124-07-2, Octanoic acid,
biological studies 124-10-7, Methyl myristate 124-18-5, Decane
124-19-6, Nonanal 124-25-4, Tetradeccanal 124-76-5, Isoborneol
125-12-2, Isobornyl acetate 126-30-7, Neopentyl glycol 126-64-7,
Linalyl benzoate 127-17-3, Pyruvic acid, biological studies 127-91-3,
.beta.-Pinene 128-50-7, Nopol 128-51-8, Nopol acetate 130-95-0,
Quinine 131-11-3, Dimethyl phthalate 133-18-6, Phenylethyl
anthranilate 134-09-8, Menthyl anthranilate 134-20-3, Methyl
anthranilate 134-28-1, Guaiac acetate 135-02-4, o-Methoxybenzaldehyde
135-79-5, 6-Isopropylquinoline 137-00-8, 4-Methyl-5-thiazoleethanol
137-03-1, 2-Heptylcyclopentanone 137-06-4, o-Thiocresol 138-22-7,
Butyl lactate 138-23-8, Rhodinyl isobutyrate 138-86-3, Limonene
138-86-3D, Limonene, thiol derivs. 139-70-8, Citronellyl phenylacetate
140-11-4, Benzyl acetate 140-25-0, Benzyl dodecanoate 140-26-1,
Phenylethyl isovalerate 140-27-2, Cinnamyl isovalerate 140-29-4,
Benzyl cyanide 140-39-6 140-67-0, 4-Allyl anisole 140-88-5, Ethyl
acrylate 141-09-3, Rhodinyl formate 141-10-6, Pseudoionone 141-11-7
141-12-8, Neryl acetate 141-14-0, Citronellyl propionate 141-15-1,
Rhodinyl butyrate 141-16-2, Citronellyl butyrate 141-27-5, Geranial
141-28-6, Diethyl adipate 141-78-6, Ethyl acetate, biological studies
141-79-7, Mesityl oxide 141-82-2, Malonic acid, biological studies
141-97-9, Ethyl acetoacetate 142-19-8, Allyl heptanoate 142-62-1,
Hexanoic acid, biological studies 142-82-5, Heptane, biological studies
142-92-7, Hexyl acetate 143-07-7, Dodecanoic acid, biological studies
143-08-8, Nonyl alcohol 143-13-5, Nonyl acetate 144-39-8, Linalyl
propionate 144-62-7, Oxalic acid, biological studies 149-57-5,
2-Ethylhexanoic acid 150-78-7, Hydroquinone dimethyl ether 150-84-5,
Citronellyl acetate 150-86-7, Phytol 151-05-3, Dimethylbenzylcarbinyl
acetate 151-10-0, 1,3-Dimethoxybenzene 151-19-9, 3,6-Dimethyloctan-3-

ol 182-99-0, 2-Oxaspiro[4.7]dodecane 271-16-9, 2H-Furo[3,4-b]pyran
 279-23-2, Norbornane 281-23-2, Adamantane 288-47-1, Thiazole
 290-37-9, Pyrazine 326-61-4, Heliotropyl acetate 334-48-5, Decanoic
 acid 350-03-8, 3-Acetylpyridine 404-86-4, Capsaicin 431-03-8,
 Diacetyl 459-80-3, Geranic acid 463-40-1, Linolenic acid 465-24-7,
 Juniperol 470-67-7, 1,4-Cineole 470-82-6, 1,8-Cineole 472-97-9,
 .beta.-Caryophyllene alcohol 475-20-7, Longifolene 488-10-8,
 cis-Jasmone 490-03-9 491-09-8, Piperitenone
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (odor masking compns. contg. fragrant substances for hair cosmetics)

IT 491-35-0, 4-Methylquinoline 495-62-5, Bisabolene 496-77-5,
 5-Hydroxy-4-octanone 498-00-0, Vanillyl alcohol 498-16-8, Lavandulol
 498-62-4, 3-Thiophenecarboxaldehyde 498-66-8, Norbornene 498-81-7,
 Dihydro-.alpha.-terpineol 499-44-5, Hinokitiol 499-75-2, Carvacrol
 500-02-7, Cryptone 501-52-0, Hydrocinnamic acid 501-92-8, Chavicol
 502-41-0, Cycloheptanol 502-61-4, Farnesene 502-72-7,
 Cyclopentadecanone 503-74-2, Isovaleric acid 505-10-2, Methionol
 505-32-8, Isophytol 511-02-4, Sclarene 513-23-5 513-85-9,
 Butane-2,3-diol 513-86-0, Acetoin 515-00-4, Myrtenol 515-03-7,
 Sclareol 515-69-5, .alpha.-Bisabolol 536-50-5, p,.alpha.-
 Dimethylbenzyl alcohol 536-59-4, Perilla alcohol 536-60-7, Cumin
 alcohol 538-86-3, Methyl benzyl ether 539-82-2, Ethyl valerate
 539-88-8, Ethyl levulinate 539-90-2, Isobutyl butyrate 540-07-8, Amyl
 caproate 540-18-1, Amyl butyrate 540-42-1, Isobutyl propionate
 541-31-1, Isoamyl mercaptan 541-91-3, Muscone 542-46-1, Civetone
 542-92-7, Cyclopentadiene, biological studies 543-39-5, Myrcenol
 543-49-7, 2-Heptanol 544-40-1, Butyl sulfide 544-63-8, Myristic acid,
 biological studies 544-76-3, Hexadecane 546-79-2, Sabinene hydrate
 547-63-7, Methyl isobutyrate 547-64-8, Methyl lactate 551-08-6
 555-66-8, Shogaol 556-24-1, Methyl isovalerate 556-82-1,
 3-Methyl-2-buten-1-ol 557-00-6, Propyl isovalerate 562-74-3,
 Terpinen-4-ol 563-80-4, Methyl isopropyl ketone 583-04-0, Allyl
 benzoate 586-62-9, Terpinolene 589-35-5, 3-Methylpentanol 589-38-8,
 3-Hexanone 589-59-3, Isobutyl isovalerate 589-66-2, Isobutyl crotonate
 589-75-3, Butyl octanoate 589-82-2, 3-Heptanol 589-98-0, 3-Octanol
 590-01-2, Butyl propionate 590-86-3, Isovaleraldehyde 591-12-8,
 .alpha.-Angelica lactone 591-68-4, Butyl valerate 591-80-0,
 4-Pentenoic acid 592-84-7, Butyl formate 592-88-1, Diallyl sulfide
 593-08-8, 2-Tridecanone 593-45-3, Octadecane 600-14-6,
 2,3-Pentanedione 606-45-1, Methyl o-methoxybenzoate 607-88-5, p-Cresyl
 salicylate 611-13-2, Methyl 2-furoate 614-99-3, Ethyl 2-furoate
 616-25-1, 1-Penten-3-ol 617-35-6, Ethyl pyruvate 617-50-5, Isopropyl
 isobutyrate 620-02-0, 5-Methylfurfural 620-79-1, Ethyl
 2-benzylacetacetate 621-82-9, Cinnamic acid, biological studies
 622-45-7, Cyclohexyl acetate 622-60-6 622-78-6, Benzyl isothiocyanate
 623-15-4, Furfuralacetone 623-17-6, Furfuryl acetate 623-22-3, Propyl
 2-furanacrylate 623-30-3 623-42-7, Methyl butyrate 624-13-5, Propyl
 octanoate 624-24-8, Methyl valerate 624-41-9, 2-Methylbutyl acetate
 624-42-0, Ethyl isoamyl ketone 624-92-0, Dimethyl disulfide 626-77-7,
 Propyl hexanoate 626-82-4, Butyl hexanoate 628-63-7, Amyl acetate
 628-97-7, Ethyl palmitate 628-99-9, 2-Nonanol 629-11-8, Hexamethylene
 glycol 629-14-1, Ethylene glycol diethyl ether 629-19-6, Dipropyl
 disulfide 629-33-4, Hexyl formate 629-50-5, Tridecane 629-59-4,
 Tetradecane 629-62-9, Pentadecane 629-78-7, Heptadecane 637-64-9,
 Tetrahydrofurfuryl acetate 638-11-9, Isopropyl butyrate 638-17-5,
 Thialidine 638-25-5, Amyl caprylate 638-49-3, Amyl formate 638-53-9,
 Tridecanoic acid 644-49-5, Propyl isobutyrate 646-07-1,
 4-Methylpentanoic acid 656-53-1 659-70-1, Isoamyl isovalerate

673-84-7, Alloocimene 688-82-4, Heptanal diethyl acetal 693-95-8,
 4-Methyl thiazole **695-06-7**, .gamma.-Hexalactone 698-10-2
698-76-0, .delta.-Octalactone 705-73-7 **705-86-2**,
 ..delta..-Decanolactone **706-14-9**, .gamma.-Decalactone
710-04-3, .delta.-Undecalactone **713-95-1**,
 .delta.-Dodecalactone 765-05-9 774-48-1, Benzaldehyde diethyl acetal
 818-81-5, 2-Methyloctanol 821-55-6, 2-Nonanone **823-22-3**,
 .delta.-Hexalactone 825-51-4 828-26-2, Trithioacetone 868-57-5,
 Methyl 2-methylbutyrate 870-23-5, Allyl mercaptan 881-68-5,
 Acetylvanillin 925-78-0, 3-Nonanone 928-91-6, cis-4-Hexen-1-ol
 928-95-0, trans-2-Hexenol 928-96-1, cis-3-Hexen-1-ol 928-97-2,
 trans-3-Hexen-1-ol 932-92-3, Cyclohexyl ethyl ether 939-48-0,
 Isopropyl benzoate 943-88-4, 4-(4-Methoxyphenyl)-3-buten-2-one
 947-05-7, Dodecalactone 999-40-6, Neryl butyrate 1003-04-9,
 Tetrahydrothiophen-3-one 1009-11-6 1072-83-9, 2-Acetylpyrrole
 1079-01-2, Myrtenyl acetate 1113-21-9, Geranyl linalool 1117-52-8,
 Farnesylacetone 1117-55-1, Hexyl octanoate 1118-27-0, Linalyl
 isovalerate 1118-39-4, Myrcenyl acetate 1119-44-4, 3-Hepten-2-one
 1120-21-4, Undecane 1122-62-9, 2-Acetylpyridine 1123-85-9,
 2-Phenylpropyl alcohol 1124-11-4, Tetramethylpyrazine 1125-21-9,
 4-Oxoisophorone 1125-88-8, Benzaldehyde dimethyl acetal 1135-66-6,
 IsoLongifolene 1139-30-6, .beta.-Caryophyllene oxide 1142-85-4
 1188-02-9, 2-Methylheptanoic acid 1191-04-4, 2-Hexenoic acid
 1191-16-8, Prenyl acetate 1192-62-7, 2-Acetyl furan 1193-79-9,
 2-Acetyl-5-methylfuran 1195-32-0, .alpha.-p-Dimethylstyrene 1195-92-2,
 Limonene oxide 1197-01-9 1205-17-0, Helional 1211-29-6, Methyl
 jasmonate 1222-05-5, Galaxolide 1319-88-6, Benzaldehyde glyceryl
 acetal 1320-67-8, Propylene glycol monomethyl ether 1322-12-9, Ethyl
 octynecarbonate 1322-34-5, Methyl decynyl carbonate 1323-00-8,
 Santalyl acetate 1331-83-5, Anisyl acetate 1333-49-9, Dimethyloctanol
 1333-58-0, Isobutylquinoline 1335-06-4, Bromostyrene 1335-46-2,
 Methylionone 1335-66-6, Isocyclocitral 1365-19-1, Linalool oxide
 1502-22-3, 2-(1-Cyclohexen-1-yl)cyclohexanone 1504-74-1,
 o-Methoxycinnamic aldehyde 1551-44-6, Cyclohexyl butyrate 1576-87-0,
 trans-2-Pentenal 1599-47-9, Hexanal dimethyl acetal 1599-49-1
 1604-28-0, 6-Methyl-3,5-heptadien-2-one 1653-30-1, 2-Undecanol
 1708-34-5 1725-01-5, 1,8-Dioxacycloheptadecan-9-one 1728-46-7
 1731-84-6, Methyl nonanoate 1759-28-0, 4-Methyl-5-vinylthiazole
 1786-08-9, Nerol oxide 1866-31-5, Allyl cinnamate 1901-26-4,
 3-Methyl-4-phenyl-3-buten-2-one 2021-28-5, Ethyl 3-phenylpropionate
 2035-99-6, Isoamyl octanoate 2050-01-3, Isoamyl isobutyrate 2050-08-0,
 Pentyl salicylate 2051-78-7, Allyl butyrate 2052-14-4, Butyl
 salicylate 2052-15-5, Butyl levulinate 2084-18-6 2111-75-3,
 Perillaldehyde 2120-70-9, Phenoxyacetaldehyde 2142-94-1, Neryl formate
 2153-26-6 2153-28-8 2173-56-0, Amyl valerate 2173-57-1 2179-57-9,
 Diallyl disulfide 2179-60-4, Methyl propyl disulfide 2198-61-0,
 Isoamyl hexanoate 2216-45-7, 4-Methylbenzyl acetate 2216-51-5
 2217-33-6, Tetrahydrofurfuryl butyrate 2226-05-3 2277-19-2,
 cis-6-Nonenal 2294-76-0 2305-21-7, 2-Hexen-1-ol 2305-25-1, Ethyl
 3-hydroxyhexanoate 2306-88-9, Octyl octanoate 2306-91-4, Isoamyl
 decanoate 2311-46-8, Isopropyl hexanoate
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (odor masking compns. contg. fragrant substances for hair
 cosmetics)

IT 2311-59-3, Isopropyl decanoate 2315-68-6, Propyl benzoate 2345-24-6,
 Neryl isobutyrate 2345-26-8, Geranyl isobutyrate 2349-07-7, Hexyl
 isobutyrate 2349-14-6, Methyl geranate 2351-90-8, Ethyl 2-octenoate
 2363-88-4, 2,4-Decadienal 2408-20-0, Allyl propionate 2412-80-8,

Methyl isohexanoate 2432-51-1 2436-90-0, Dihydromyrcene 2437-25-4,
Dodecanonitrile 2442-10-6, 1-Octen-3-yl acetate 2444-46-4,
Nonanoylvanillylamide 2445-76-3, Hexyl propionate 2445-77-4,
2-Methylbutyl isovalerate 2497-18-9, trans-2-Hexenyl acetate
2568-25-4, Benzaldehyde propylene glycol acetal 2623-23-6, L-Menthyl
acetate 2630-39-9, Methyl dihydrojasmonate 2639-63-6, Hexyl butyrate
2705-87-5, Allyl cyclohexanepropionate **2721-22-4**,
.delta.-Tetradecalactone 2756-56-1, Isobornyl propionate 2785-87-7,
Dihydroeugenol 2785-89-9, 4-Ethylguaiacol 2807-30-9, Ethylene glycol
monopropyl ether 2835-39-4, Allyl isovalerate 2847-30-5,
2-Methoxy-3-methylpyrazine 2949-92-0, S-Methyl methanethiosulfonate
2979-22-8 2983-37-1, Ethyl 2-ethylhexanoate 3142-72-1,
2-Methyl-2-pentenoic acid 3149-28-8, Methoxypyrazine 3160-37-0,
Heliotropylacetone 3268-49-3, Methional **3301-94-8**,
.delta.-Nonalactone 3387-41-5, Sabinene 3391-83-1,
1,7-Dioxacycloheptadecan-8-one 3391-86-4, 1-Octen-3-ol 3452-97-9,
3,5,5-Trimethylhexanol 3454-07-7, p-Ethylstyrene 3558-60-9
3581-91-7, 4,5-Dimethylthiazole 3583-00-4, 4-Isopropyl-5,5-dimethyl-1,3-
dioxane 3613-30-7, Methoxycitronellal 3658-77-3, Furaneol 3658-80-8,
Dimethyl trisulfide 3658-93-3, Hexanal diethyl acetal 3681-71-8,
cis-3-Hexenyl acetate 3683-12-3 3779-62-2, Sinensal 3796-70-1,
Geranylacetone 3848-24-6, 2,3-Hexanedione 3913-81-3 3913-85-7,
2-Decenoic acid 4230-97-1, Allyl caprylate 4265-97-8, Heptyl octanoate
4351-10-4 4360-47-8, Styryl cyanide 4362-22-5 4430-31-3,
Octahydrocoumarin 4437-20-1, Furfuryl disulfide 4437-51-8,
3,4-Hexanedione 4442-79-9, Cyclohexylethyl alcohol 4455-13-4, Ethyl
methylthioacetate 4500-58-7, 2-Ethylbenzenethiol 4547-43-7
4602-84-0, Farnesol 4606-15-9, Propylphenyl acetate 4621-04-9,
4-Isopropylcyclohexanol 4630-07-3, Valencene 4674-50-4, Nootkatone
4676-39-5 4728-82-9, Allyl cyclohexylacetate 4747-07-3, Methyl hexyl
ether 4819-67-4 4861-85-2, Isopropylphenyl acetate 4864-61-3,
3-Octyl acetate 4884-24-6, 2-Cyclopentylcyclopentanone 4927-36-0
4940-11-8, Ethylmaltol 4951-48-8, L-Menthyl propionate 5132-75-2,
Octyl heptanoate 5146-66-7, Geranylnitrile 5205-11-8, Prenyl benzoate
5240-32-4, 1-Ethynylcyclohexyl acetate 5320-75-2, Cinnamyl benzoate
5331-32-8, Isobornyl methyl ether 5392-40-5, Citral 5405-41-4, Ethyl
3-hydroxybutyrate 5406-58-6, 2,5,5-Trimethyl-2-phenyl-1,3-dioxane
5421-17-0, Hexylphenyl acetate 5452-07-3 5457-70-5, Phenylethyl
caprylate 5462-06-6, Canthoxal 5468-05-3 5468-06-4 5471-51-2,
Raspberry ketone 5502-75-0, Mayol 5577-44-6, 2,4-Octadienal
5579-78-2, .epsilon.-Decalactone 5760-50-9, Methyl 9-undecenoate
5764-85-2, Ethyl 3-hydroxy-3-phenylpropionate 5837-78-5, Ethyl tiglate
5870-93-9, Heptyl butyrate 5910-85-0, 2,4-Heptadienal 5910-89-4,
2,3-Dimethylpyrazine 5947-36-4, Pinocarveol 5948-04-9, Dihydrocarvone
5953-76-4, Methyl angelate 5986-55-0, Patchouli alcohol 6028-61-1,
Dipropyl trisulfide 6066-49-5, 3-n-Butyl phthalide 6079-97-6, Ethyl
2-hexylacetacetate 6259-76-3, Hexyl salicylate 6270-03-7, Phenyl
glycol diacetate 6304-24-1, 2-Isobutylpyridine 6309-51-9 6378-65-0,
Hexyl hexanoate 6413-10-1, Ethyl acetoacetate ethylene glycol ketal
6485-40-1, L-Carvone 6493-80-7 6658-48-6 6707-60-4,
1,6-Dioxacycloheptadecan-7-one 6728-26-3, trans-2-Hexenal 6750-03-4,
2,4-Nonadienal 6789-80-6, cis-3-Hexenal 6789-88-4, Hexyl benzoate
6881-94-3, Diethylene glycol monopropyl ether 6915-15-7, Malic acid
6938-45-0, Benzyl hexanoate 6976-72-3, Heptyl hexanoate
7011-83-8 7051-39-0, Dihydrojasnone 7069-41-2,
trans-2-Tridecenal 7074-08-0 7212-44-4, Nerolidol 7289-52-3, Decyl
methyl ether 7335-26-4, Ethyl o-methoxybenzoate **7370-92-5**
7392-19-0, 2,2,6-Trimethyl-6-vinyldihydrofuran 7403-42-1,

4-Methyl-4-phenyl-2-pentanone 7416-35-5 7452-79-1, Ethyl
 2-methylbutyrate 7460-74-4, Phenylethyl valerate 7492-66-2, Citral
 diethyl acetal 7492-67-3, Citronellyloxyacetalddehyde 7492-70-8, Butyl
 butyryllactate 7493-57-4 7493-65-4, Allyl cyclohexanebutyrate
 7493-69-8, Allyl 2-ethylbutyrate 7493-74-5, Allyl phenoxyacetate
 7493-78-9, .alpha.-Amylcinnamyl acetate 7549-33-9, Anisyl propionate
 7549-37-3, Citral dimethyl acetal 7580-12-3, 2,4,6-Triisopropyl-1,3,5-
 trioxane 7661-55-4, 5-Methylquinoline 7756-96-9 7774-44-9,
 Cyclohexyl isovalerate 7774-65-4 7775-39-5, Styralyl isobutyrate
 7778-83-8, Propyl cinnamate 7778-85-0, Propylene glycol dimethyl ether
 7778-87-2, Propyl heptanoate 7779-23-9, Linalyl hexanoate 7779-41-1,
 Decanal dimethyl acetal 7779-65-9, Isoamyl cinnamate 7779-78-4
 7779-81-9, Isobutyl angelate 7779-94-4, Hydroxycitronellal diethyl
 acetal 7780-06-5, Isopropyl cinnamate 7784-67-0, Ethylisoeugenol
 7785-33-3, Geranyl tiglate 7785-64-0, Butyl angelate 7786-44-9,
 2,6-Nonadienol 7786-58-5, Octyl isovalerate 7787-20-4, L-Fenchone
 8000-41-7, Terpineol 8000-41-7D, Terpineol, thio derivs. 8007-35-0,
 Terpinyl acetate 8013-00-1, Terpinene 8013-90-9, Ionone 8038-79-7,
 Benzoin oil 10022-28-3, Octanal dimethyl acetal 10024-64-3, Linalyl
 octanoate 10031-96-6, Eugenyl formate 10032-02-7, Geranyl hexanoate
 10032-05-0, Heptanal dimethyl acetal 10032-13-0, Hexyl isovalerate
 10032-15-2, Hexyl 2-methylbutyrate 10094-34-5 10108-80-2, Propylene
 glycol Dipropionate 10203-30-2, 3-Dodecanol 10221-57-5, Propylene
 glycol diethyl ether 10276-85-4 10318-16-8 10339-55-6, Ethyllinalool
 10361-39-4, Benzyl valerate 10402-33-2, Eugenylphenyl acetate
 10415-87-9 10444-50-5, Citral propylene glycol acetal 10482-55-0,
 Isoamyl angelate 10486-14-3, Rhodinyl phenylacetate 10486-19-8,
 Tridecanal 10519-11-6 10519-12-7, Decahydro-.beta.-naphthyl formate
 10544-63-5, Ethyl crotonate 10580-25-3, Citronellyl hexanoate
 10588-10-0, Isobutyl valerate 10599-70-9, 3-Acetyl-2,5-dimethylfuran
10603-06-2 11028-42-5, Cedrene 11031-45-1, Santalol
 11050-62-7, Isojasnone 11072-28-9, Dimethyloctenone 12001-36-4,
 Raspberry aldehyde 12262-03-2, Isoamyl undecylenate 12687-45-5,
 Caryophyllene aldehyde 13019-04-0 13019-22-2, 9-Decen-1-ol
 13074-65-2, 2-Hexylcyclopentanone 13162-46-4, 2,4-Undecadienal
 13162-47-5, 2,4-Dodecadienal 13171-00-1, Celestolide 13254-34-7,
 2,6-Dimethylheptan-2-ol 13327-56-5, Ethyl 3-methylthiopropionate
 13341-72-5, Mentha lactone 13351-61-6, 2,2-Dimethyl-3-phenylpropanol
 13360-64-0, 2-Ethyl-5-methylpyrazine 13360-65-1, 2-Ethyl-3,6-
 dimethylpyrazine 13466-78-9 13481-87-3, Methyl 3-nonenoate
 13491-79-7, 2-tert-Butylcyclohexanol 13494-06-9, 3,4-Dimethyl-1,2-
 cyclopentanedione 13494-07-0, 3,5-Dimethyl-1,2-cyclopentanedione
 13532-18-8, Methyl 3-methylthiopropionate
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (odor masking compns. contg. fragrant substances for hair
 cosmetics)

IT 13567-40-3, Cedranone 13567-54-9D, Cedrane, oxo deriv. 13623-11-5,
 Trimethylthiazole 13659-75-1 13678-59-6, 2-Methyl-5-methylthiofuran
 13678-68-7 13679-70-4, 5-Methyl-2-thiophenecarboxaldehyde 13679-86-2
 13706-86-0, 5-Methyl-2,3-hexanedione 13708-12-8, 5-Methylquinoxaline
 13816-33-6, Cumynlnitrile 13828-37-0 13851-11-1, Fenchyl acetate
 13877-91-3, 3,7-Dimethyl-1,3,6-octatriene 13894-61-6 13894-63-8
 13925-00-3, 2-Ethylpyrazine 13925-07-0, 2-Ethyl-3,5-dimethylpyrazine
 13925-08-1, 2-Methyl-5-vinylpyrazine 13947-14-3 14159-61-6,
 3-Isobutylpyridine 14289-65-7 14374-92-6, 4-Isopropyl-1-methyl-2-
 propenylbenzene 14510-36-2 14575-74-7, .alpha.-Fenchyl alcohol
 14576-08-0, .alpha.-Terpinyl methyl ether 14620-52-1, Dodecanal dimethyl
 acetal 14667-55-1, 2,3,5-Trimethylpyrazine 14727-47-0,

Isolongifolanone 14765-30-1, 2-sec-Butylcyclohexanone 15111-96-3
15186-51-3, Rose furan 15323-35-0, Phantolide 15679-13-7,
2-Isopropyl-4-methylthiazole 15707-23-0, 2-Ethyl-3-methylpyrazine
15707-24-1, 2,3-Diethylpyrazine 15760-18-6 16251-77-7 16308-92-2,
2,4-Dimethylbenzyl alcohol 16356-11-9, 1,3,5-Undecatriene 16409-43-1,
Rose oxide **16429-21-3**, .epsilon.-Dodecalactone 16491-24-0,
2,4-Hexadienyl isobutyrate 16491-36-4, cis-3-Hexenyl butyrate
16491-62-6, Cyclohexyl crotonate 16587-71-6, 4-tert-Amylcyclohexanone
16630-66-3, Methyl methylthioacetate 16930-96-4, Hexyl tiglate
17140-33-9 17369-59-4, 3-Propylidene phthalide 17619-36-2, Methyl
propyl trisulfide 18127-01-0 18138-04-0, 2,3-Diethyl-5-methylpyrazine
18409-17-1, trans-2-Octenol 18479-51-1, Dihydrolinalool 18479-57-7,
Tetrahydromyrcenol 18640-74-9, 2-Isobutylthiazole 18675-24-6
18824-63-0, Nonanal dimethyl acetal 18829-55-5, trans-2-Heptenal
18829-56-6, trans-2-Nonenal 18854-56-3, Ethylene glycol dipropyl ether
18871-14-2, Jasmal 20407-84-5, trans-2-Dodecenal **20628-36-8**
20777-39-3, Lavandulyl acetate 20780-48-7, Tetrahydrolinalyl acetate
20780-49-8 20834-59-7 21064-19-7D, Trimethylcyclododecatriene,
epoxidized 21112-37-8 21145-77-7, Tonalide 21662-09-9, cis-4-Decenal
21722-83-8, Cyclohexylethyl acetate 21964-44-3, 1-Nonen-3-ol
22047-25-2, 2-Acetylpyrazine 22451-63-4, Alloocimene alcohol
22457-23-4, Stemone 22463-19-0 22493-94-3, 2-tert-Butylquinoline
22629-49-8, Tridecene-2-nitrile 23495-12-7, 2-Phenoxyethyl propionate
23726-93-4, Damascenone 23747-48-0 24237-00-1 24295-03-2,
2-Acetylthiazole 24683-00-9, 2-Isobutyl-3-methoxypyrazine 24717-85-9,
Citronellyl tiglate 24817-51-4, Phenylethyl 2-methylbutyrate
25152-85-6, cis-3-Hexenyl benzoate 25265-71-8, Dipropylene glycol
25265-75-2, Butylene glycol 25304-14-7, 3,3-Dimethylcyclohexyl methyl
ketone 25322-68-3 25339-16-6, sec-Octyl alcohol 25377-82-6,
Tridecene 25377-83-7, Octene 25512-62-3, Cyclohexenone
25524-95-2, Jasmine lactone 25564-22-1, 2-Pentyl-2-
cyclopentenone 25680-58-4, 2-Methoxy-3-ethylpyrazine 25773-40-4,
2-Methoxy-3-isopropylpyrazine 25795-46-4, Tetrahydrocitrinal 26266-05-7,
Heptadecene 26370-28-5, 2,6-Nonadienal 26553-46-8 26619-69-2,
Isolongifolene epoxide 26643-91-4, 4-Methyl-2-phenyl-2-pentenal
27070-58-2, Octadecene 27215-95-8, Nonene 27458-94-2, Isononyl alcohol
27606-09-3 27829-72-7 28069-74-1 28219-60-5 28221-20-7, L-Menthyl
isovalerate 28316-62-3 28371-99-5, Trimofix O 28473-21-4, Nonanol
28588-74-1, 2-Methyl-3-furanthiol 28664-35-9, Sotolone 28929-03-5,
Octadecadiene 28940-11-6 28977-58-4, Ocimenol 29387-86-8, Propylene
glycol monobutyl ether 29549-60-8, 2-Ethylthiophenol 29597-36-2
29714-87-2, Ocimene 30025-38-8, Dipropylene glycol monoethyl ether
30076-98-3 30136-13-1, Propylene glycol monopropyl ether 30168-23-1,
Dupical 30207-98-8, Undecanol 30673-36-0, Butyl decanoate
30960-39-5, Cedrenone 31375-17-4 31501-11-8, cis-3-Hexenyl caproate
32210-23-4, p-tert-Butylcyclohexyl acetate 32388-55-9, Acetylcedrene
32659-21-5, Ethyl geranate 32665-23-9, Isopropyl isovalerate
32974-92-8, 2-Acetyl-3-ethylpyrazine 33467-73-1, cis-3-Hexenyl formate
33467-74-2, cis-3-Hexenyl propionate 33704-61-9, Cashmeran 34291-99-1
34413-35-9, 5,6,7,8-Tetrahydroquinoxaline 34590-94-8, Dipropylene glycol
monomethyl ether 34764-02-8, Decanal diethyl acetal 35044-59-8
35117-86-3 35154-45-1, cis-3-Hexenyl isovalerate 35852-46-1,
cis-3-Hexenyl valerate 35854-86-5 35884-42-5, Dipropylene glycol
monobutyl ether 36431-72-8, Theaspirane 36541-25-0,
Methyltetrahydrofuranone 36701-01-6, Furfuryl valerate 37161-74-3
37172-02-4, 1-Acetoxy-2-sec-butyl-1-vinylcyclohexane 37486-72-9, Ethyl
2-decanoate 37514-30-0, 1-Methylcyclododecyl methyl ether 37526-88-8,
Benzyl tiglate 37609-25-9, 5-Cyclohexadecen-1-one 37677-14-8, Myrac

aldehyde 38049-26-2, Dihydrocarveol 38205-60-6, 5-Acetyl-2,4-dimethylthiazole 38285-49-3, 5-Methyl-3-butyltetrahydropyran-4-yl acetate 39067-39-5 39067-80-6, Thiogeraniol 39255-32-8, Ethyl 2-methylvalerate 39707-47-6 39900-38-4, Cedryl formate 40203-73-4, Methyl cyclopentylideneacetate 40228-18-0, Furfuryl methyl sulfide 40267-72-9, Geranyl ethyl ether 40527-42-2 40785-62-4, 3-Oxabicyclo[10.3.0]pentadec-6-ene 40910-49-4, Acetaldehyde ethyl linalyl acetal 41199-19-3, Ambrinol 41199-20-6 41496-43-9, 2-Methyl-3-(4-methylphenyl)propanal 41519-23-7, cis-3-Hexenyl isobutyrate 41816-03-9, Rhubofix 41890-92-0, 3,7-Dimethyl-7-methoxyoctan-2-ol 42184-18-9 42370-07-0 42436-07-7, cis-3-Hexenyl phenylacetate 49815-58-9 50607-64-2 50816-18-7 50980-84-2, Propylene glycol Dibutyrate 51566-62-2, Citronellylnitrile 51755-66-9, 3-Methylthio-1-hexanol 52125-53-8, Propylene glycol monoethyl ether 52844-21-0, Cyclocitral 53082-58-9, 3-Methylpentyl angelate 53219-21-9, Dihydromyrcenol 53338-06-0 53398-80-4, trans-2-Hexenyl propionate 53398-83-7, trans-2-Hexenyl butyrate 53398-85-9, cis-3-Hexenyl 2-methylbutyrate 53398-86-0, trans-2-Hexenyl hexanoate 53448-07-0, trans-2-Undecenal 53778-72-6 54082-68-7, 2,6,10-Trimethyl-5,9-undecadienal 54140-13-5 54264-04-9, Heptadecadiene 54464-57-2, Iso E super 54484-73-0, Acetaldehyde ethyl hexyl acetal 54546-26-8, 2-Butyl-4,4,6-trimethyl-1,3-dioxane 54815-13-3, Nonanal diethyl acetal 54889-48-4, Octanal diethyl acetal 54982-83-1, Ethylene dodecanedioate 55066-48-3, 3-Methyl-5-phenylpentanol 55066-49-4 55719-85-2, Phenylethyl tiglate 56001-43-5, Nerolidyl acetate 56011-02-0 56423-40-6, Benzyl 2-methylbutyrate 56973-85-4, .alpha.-Dynascone 57082-24-3, Caryophyllene acetate 57287-13-5, Dihydrocarvyl acetate 57371-42-3, Benzyleugenol 57500-00-2, Methyl furfuryl disulfide 57576-09-7, Isopulegyl acetate 57943-67-6 58102-02-6 58253-27-3, Gingerol 58430-94-7, 3,5,5-Trimethylhexyl acetate 58567-11-6, Formaldehyde cyclododecylethyl acetal 58985-18-5, Dihydroterpinyl acetate 59020-85-8 59021-03-3 59094-77-8, Ethyl thioacetate 59230-57-8, Cumaryl acetate 59259-90-4 59354-71-1
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. contg. fragrant substances for hair cosmetics)

IT 59558-23-5, p-Cresyl caprylate 60788-25-2 61215-74-5, Undecatriene 61562-03-6 61699-38-5 61711-48-6, Isodamascone 61792-11-8 61792-12-9, Cinnamyl tiglate 61920-45-4 62238-34-0, 4-Heptenal 62288-69-1 62563-80-8, Vetiveryl acetate 63270-14-4, Nonanediol-1,3-diacetate 63450-34-0 63500-71-0 64001-15-6 64165-57-7 64988-06-3, Ethyl o-methoxybenzyl ether 65113-95-3 65113-99-7, 3-Methyl-5-(2,2,3-trimethyl-3-cyclopentenyl)-pentan-2-ol 65405-70-1, trans-4-Decenal 65405-73-4, Geranyloxyacetaldehyde 65405-76-7, cis-3-Hexenyl anthranilate 65405-77-8, cis-3-Hexenyl salicylate 65442-31-1 65443-14-3, 2,2,5-Trimethyl-5-pentylcyclopentanone 66062-78-0 66512-92-3 **67114-38-9** 67583-77-1 67633-94-7 67634-06-4 67634-15-5, Floralozone 67634-17-7, 2,4-Dimethyl-3-cyclohexene-1-methanol 67634-22-4 67662-96-8 67707-75-9, Ethyl 3,5,5-trimethylhexanoate 67715-80-4, 2-Methyl-4-propyl-1,3-oxathiane 67746-30-9, trans-2-Hexenal diethyl acetal 67785-77-7, Dimethylbenzylcarbinyl propionate 67801-33-6 67801-64-3 67845-46-9 67874-72-0, Coniferan 67874-78-6 67874-81-1, Cedryl methyl ether 67883-79-8, cis-3-Hexenyl tiglate 68039-24-7 68039-49-6, Triplal 68129-81-7, Vetiverol 68141-17-3 68480-06-8 68527-74-2, Vanillin propylene glycol acetal 68527-77-5, Isocyclogeraniol 68527-78-6 68844-98-4 68922-10-1, Citronellyl

isovalerate 68928-61-0 70214-77-6, 6,8-Dimethyl-2-nonal 70788-30-6, Timberol 71172-75-3, Isoamyl levulinate 71566-53-5
 72007-81-9 72013-84-4, 13-Oxabicyclo[10.3.0]pentadecane 72072-32-3,
 Diethylene glycol dipropyl ether 72089-08-8 72231-20-0,
 Tetrahydromugyl acetate 72424-08-9, 3-Propyl phthalide 72445-42-2,
 Mint sulfide 72797-27-4 72797-27-4D, dehydrogenated 73127-43-2
 73545-18-3, cis-3-Hexenal diethyl acetal 75147-23-8, Buccoxime
 77628-60-5 77733-94-9 78548-53-5 78649-62-4 79806-04-5,
 Vernaldehyde 80111-68-8, Damascone 80118-06-5 80449-98-5, Liral
 80466-34-8, 2,4-Hexadienal 80480-24-6 80858-47-5 80901-68-4
 81782-77-6, 4-Methyl-3-decen-5-ol 81786-75-6 **82373-92-0**
 82784-84-7 83783-82-8 84029-92-5, Acetaldehyde ethyl isoeugenyl acetal
 84060-80-0, cis-3-Hexenyl angelate 84518-22-9 85624-40-4, Ocimene
 epoxide 86241-90-9 87118-95-4, 3,4,5,6,6-Pentamethyl-2-heptanol
 87343-69-9 88969-41-9, Dihydromyrcenyl acetate 89444-36-0 91482-37-0
 91967-77-0 94022-83-0 99565-75-0 107820-22-4 110516-60-4,
 Homofuranol 119339-26-3 120204-34-4, 2,4-Hexadienol 127303-87-1,
 Dipropylene glycol monopropyl ether 139253-95-5 139504-68-0, Amber
 core 169825-80-3, 4-tert-Butylquinoline 176201-25-5, Aldehyde C-14
 (Peach) 177771-82-3, Ambroxan 194986-84-0 195159-55-8, Myraldyl
 acetate 200061-88-7 208397-85-7 217816-75-6, Grisalva 223447-73-2,
 Tetrahydromugol 234436-14-7, Rhubofuran 266692-55-1, Florex
 335380-17-1, Aldehyde C-16 (strawberry) 474653-58-2, Butane-1,3-diol
 monomethyl ether 474653-60-6, Butane-1,3-diol monobutyl ether
 500345-56-2 524932-69-2 524932-73-8 524932-78-3 524932-99-8
 524933-00-4 524933-01-5 524933-04-8 524933-11-7 524933-20-8
 524933-22-0 524933-24-2 524933-37-7 524933-38-8 524933-43-5
 524933-46-8 524933-48-0 524933-50-4 524960-46-1 524960-47-2
 524960-48-3

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (odor masking compns. contg. fragrant substances for **hair**
 cosmetics)

IT 119-53-9, Benzoin

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (resinoid; odor masking compns. contg. fragrant substances for hair
 cosmetics)

IT **96-48-0**, .gamma.-Butyrolactone **104-50-7**,

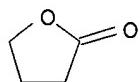
.gamma.-Octalactone **104-61-0**, .gamma.-Nonalactone
104-67-6, .gamma.-Undeca lactone **105-21-5**,
 .gamma.-Heptalactone **108-29-2**, .gamma.-Valerolactone
695-06-7, .gamma.-Hexalactone **698-76-0**,
 .delta.-Octalactone **705-86-2**, ..delta..-Decanolactone
706-14-9, .gamma.-Decalactone **710-04-3**,
 .delta.-Undecalactone **713-95-1**, .delta.-Dodecalactone
823-22-3, .delta.-Hexalactone **2721-22-4**,
 .delta.-Tetradecalactone **3301-94-8**, .delta.-Nonalactone
5579-78-2, .epsilon.-Decalactone **7011-83-8**

7370-92-5 **10603-06-2** **16429-21-3**,
 .epsilon.-Dodecalactone **20628-36-8** **25524-95-2**, Jasmine
 lactone **67114-38-9** **82373-92-0**

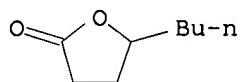
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (odor masking compns. contg. fragrant substances for **hair**
 cosmetics)

RN 96-48-0 HCPLUS

CN 2(3H)-Furanone, dihydro- (8CI, 9CI) (CA INDEX NAME)

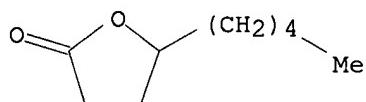


RN 104-50-7 HCPLUS
CN 2(3H)-Furanone, 5-butyldihydro- (8CI, 9CI) (CA INDEX NAME)

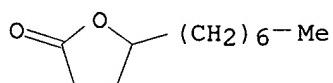


RN 104-61-0 HCPLUS
CN 2(3H)-Furanone, dihydro-5-pentyl- (8CI, 9CI) (CA INDEX NAME)

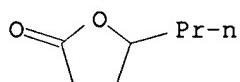
Currently available stereo shown.



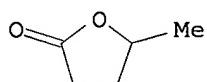
RN 104-67-6 HCPLUS
CN 2(3H)-Furanone, 5-heptyldihydro- (8CI, 9CI) (CA INDEX NAME)



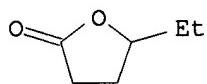
RN 105-21-5 HCPLUS
CN 2(3H)-Furanone, dihydro-5-propyl- (8CI, 9CI) (CA INDEX NAME)



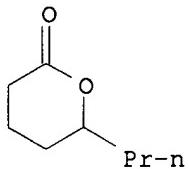
RN 108-29-2 HCPLUS
CN 2(3H)-Furanone, dihydro-5-methyl- (8CI, 9CI) (CA INDEX NAME)



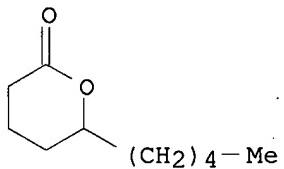
RN 695-06-7 HCPLUS
CN 2(3H)-Furanone, 5-ethyldihydro- (8CI, 9CI) (CA INDEX NAME)



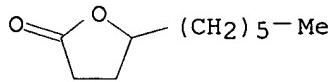
RN 698-76-0 HCAPLUS
CN 2H-Pyran-2-one, tetrahydro-6-propyl- (8CI, 9CI) (CA INDEX NAME)



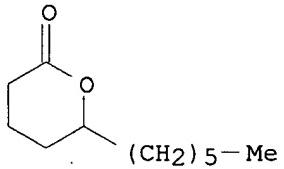
RN 705-86-2 HCAPLUS
CN 2H-Pyran-2-one, tetrahydro-6-pentyl- (8CI, 9CI) (CA INDEX NAME)



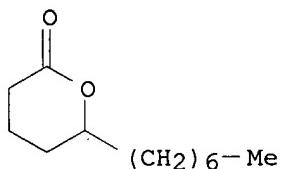
RN 706-14-9 HCAPLUS
CN 2(3H)-Furanone, 5-hexyldihydro- (8CI, 9CI) (CA INDEX NAME)



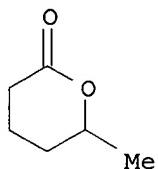
RN 710-04-3 HCAPLUS
CN 2H-Pyran-2-one, 6-hexyltetrahydro- (8CI, 9CI) (CA INDEX NAME)



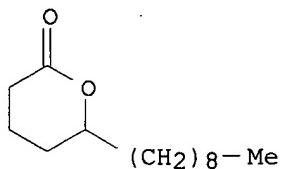
RN 713-95-1 HCAPLUS
CN 2H-Pyran-2-one, 6-heptyltetrahydro- (8CI, 9CI) (CA INDEX NAME)



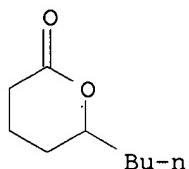
RN 823-22-3 HCAPLUS
 CN 2H-Pyran-2-one, tetrahydro-6-methyl- (8CI, 9CI) (CA INDEX NAME)



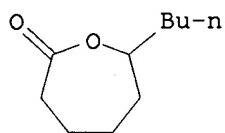
RN 2721-22-4 HCAPLUS
 CN 2H-Pyran-2-one, tetrahydro-6-nonyl- (8CI, 9CI) (CA INDEX NAME)



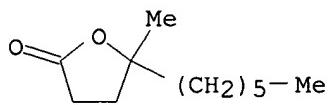
RN 3301-94-8 HCAPLUS
 CN 2H-Pyran-2-one, 6-butyltetrahydro- (8CI, 9CI) (CA INDEX NAME)



RN 5579-78-2 HCAPLUS
 CN 2-Oxepanone, 7-butyl- (8CI, 9CI) (CA INDEX NAME)

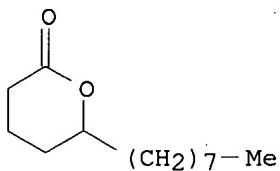


RN 7011-83-8 HCAPLUS
 CN 2(3H)-Furanone, 5-hexyldihydro-5-methyl- (9CI) (CA INDEX NAME)



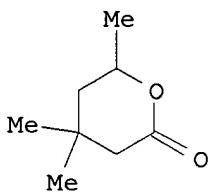
RN 7370-92-5 HCAPLUS

CN 2H-Pyran-2-one, tetrahydro-6-octyl- (8CI, 9CI) (CA INDEX NAME)



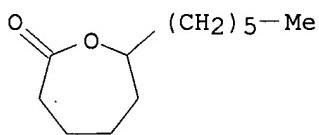
RN 10603-06-2 HCAPLUS

CN 2H-Pyran-2-one, tetrahydro-4,4,6-trimethyl- (8CI, 9CI) (CA INDEX NAME)



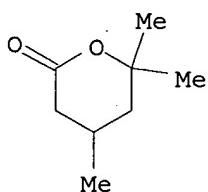
RN 16429-21-3 HCAPLUS

CN 2-Oxepanone, 7-hexyl- (8CI, 9CI) (CA INDEX NAME)



RN 20628-36-8 HCAPLUS

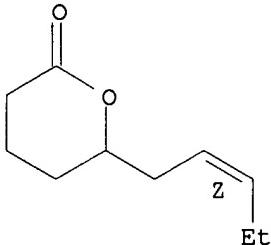
CN 2H-Pyran-2-one, tetrahydro-4,6,6-trimethyl- (8CI, 9CI) (CA INDEX NAME)



RN 25524-95-2 HCAPLUS

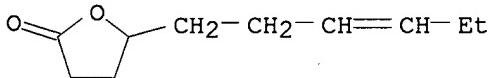
CN 2H-Pyran-2-one, tetrahydro-6-(2Z)-2-pentenyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.
 Currently available stereo shown.



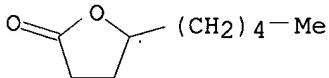
RN 67114-38-9 HCPLUS

CN 2(3H)-Furanone, 5-(3-hexenyl)dihydro- (9CI) (CA INDEX NAME)



RN 82373-92-0 HCPLUS

CN 2(3H)-Furanone, dihydro-5-pentyl- (9CI) (CA INDEX NAME)



L41 ANSWER 2 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2003:241777 HCPLUS

DN 138:275920

TI Method of treating hair with heat and a cap which provides a signal regarding treatment

IN Pyles, Daniel Raymond

PA Unilever Home & Personal Care USA, Division of Conopco, Inc., USA

SO U.S. Pat. Appl. Publ., 8 pp.

CODEN: USXXCO

DT Patent

LA English

IC ICM A61K007-06

ICS A61K007-13; B32B027-12

NCL 424443000; 008405000; 442123000

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003059459	A1	20030327	US 2001-952061	20010914
	WO 2003024267	A2	20030327	WO 2002-EP10125	20020910
	W:	AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,			

KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
 MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,
 SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW,
 AM, AZ, BY, KG

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

PRAI US 2001-952061 A 20010914

AB A hair covering which comprises a woven or nonwoven substrate comprising synthetic or natural materials, which are impregnated, or coated, or both, with a mutable dye is described. A compn. contained Ethoqual 0-12 PG 2.00, cetearyl alc. 8,25, DC2-1786 2.00, cyclopentasiloxane 2.00, and other ingredients including water. q.s.

ST hair treatment cap heat dye

IT Hair preparations

(dyes; treating hair with heat and a cap which provides a signal regarding treatment)

IT Hair preparations

(treating hair with heat and a cap which provides a signal regarding treatment)

IT 91-64-5D, Coumarin, derivs. 1485-92-3 1552-42-7, Crystal violet lactone 4222-20-2 5339-80-0, Malachite green lactone 21121-62-0, 3-Diethylamino-6-methyl-7-chlorofluoran 21934-68-9, 3-Diethylamino-6,8-dimethylfluoran 23069-39-8 26628-47-7, 3-Diethylamino-7,8-benzofluoran 27333-47-7 27333-50-2 28656-26-0 29512-46-7 29512-49-0, 3-Diethylamino-6-methyl-7-phenylaminofluoran 36431-21-7 36499-49-7 36886-76-7D, derivs. 52695-56-4 72493-39-1 75805-17-3 82137-81-3 85391-01-1 90585-79-8 97558-60-6 100463-23-8 102224-43-1 107583-58-4 112232-42-5 114412-15-6 114412-22-5 114412-52-1 114412-56-5 114747-44-3 114747-45-4 143053-20-7 503085-45-8

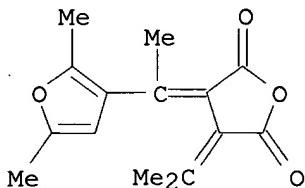
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (treating hair with heat and a cap which provides a signal regarding treatment)

IT 72493-39-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (treating hair with heat and a cap which provides a signal regarding treatment)

RN 72493-39-1 HCPLUS

CN 2,5-Furandione, 3-[1-(2,5-dimethyl-3-furanyl)ethylidene]dihydro-4-(1-methylethylidene)- (9CI) (CA INDEX NAME)



L41 ANSWER 3 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2003:2575 HCPLUS

DN 138:61045

TI Hybrid hair dye molecules containing active groups for hair

conditioning and hair **dyeing**

IN Naumann, Frank; Akram, Mustafa; Hoeffkes, Horst; Kleen, Astrid; Rathjens, Andreas; Suenger, Georg; Huchel, Ursula

PA Henkel Kgaa, Germany

SO Ger. Offen., 58 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM A61K007-13

ICS A61K007-075

CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 25, 33

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 10129466	A1	20030102	DE 2001-10129466	20010619
PRAI DE 2001-10129466		20010619		

AB The invention concerns hybrid hair **dyes** with the general formula P - (S - F)x; where x = 1-3; P = hair conditioning group; F = hair **dye**, developer or coupler precursor, direct **dye**; S = spacer. Conditioning groups are sugars, vitamins, amino **acids**, peptides; **dyes** are derivs. of indole, melanin, isatin etc. Thus a hybrid **dye** that included 4-amino-3,5-dinitrobenzoic acid as direct **dye**, glucose as conditioner and a connecting NH group was synthesized from 4-chloro-3,5-dinitrobenzoic acid and glucosamine hydrochloride. The hybrid product was included in a **dye compn.** as a 1.00 g ingredient, the other components were (g): cream base 50.00; ammonium sulfate 1.00; ammonia (25% soln.) to pH 9.5; water to 100. The cream base included (g): Hydrenol D 17.00; Lorol 4.00; Eumulgin B2 1.50; Texapon NSO 30.00; Dehyton K 25.00; water 22.50.

ST hybrid hair **dye** conditioner mol

IT Hair preparations

(conditioners; hybrid hair **dye** mols. contg. active groups for hair conditioning and hair **dyeing**)

IT Melanins

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(conjugates with conditioning substances; hybrid hair **dye** mols. contg. active groups for hair conditioning and hair **dyeing**)

IT Amino **acids**, biological studies

Carbohydrates, biological studies

Peptides, biological studies

Vitamins

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(conjugates with **dyes**; hybrid hair **dye** mols. contg.
active groups for hair conditioning and hair **dyeing**)

IT **Dyes**

(direct; hybrid hair **dye** mols. contg. active groups for hair conditioning and hair **dyeing**)

IT Hair preparations

(**dyes**, oxidative; hybrid hair **dye** mols. contg.
active groups for hair conditioning and hair **dyeing**)

IT Hair preparations

(**dyes**; hybrid hair **dye** mols. contg. active groups
for hair conditioning and hair **dyeing**)

IT 7732-18-5, Water, biological studies

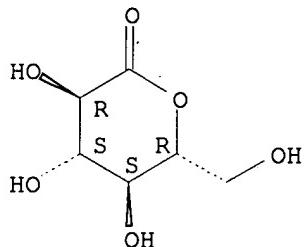
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(CASREACT)

- IT 91-56-5D, Isatin, derivs., conjugates with conditioning substances
 120-72-9D, Indole, derivs., conjugates with conditioning substances
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hybrid hair **dye** mols. contg. active groups for hair
 conditioning and hair **dyeing**)
- IT 68715-89-9P 479193-94-7P 479193-98-1P
 RL: COS (Cosmetic use); RCT (Reactant); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES
 (Uses)
 (hybrid hair **dye** mols. contg. active groups for hair
 conditioning and hair **dyeing**)
- IT 30395-72-3P 479193-81-2P 479193-82-3P 479193-83-4P 479193-84-5P
 479193-85-6P 479193-86-7P 479193-87-8P 479193-88-9P 479193-90-3P
 479193-91-4P 479193-92-5P 479193-93-6P 479193-95-8P 479193-96-9P
 479193-97-0P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (hybrid hair **dye** mols. contg. active groups for hair
 conditioning and hair **dyeing**)
- IT 50-99-7, D-Glucose, reactions 59-23-4, D-Galactose, reactions 63-42-3
 66-84-2, Glucosamine hydrochloride 70-34-8, Dinitrofluorobenzene
 77-86-1, (Trishydroxymethyl)methylamine **90-80-2**, D-Gluconic
 acid-.delta.-lactone 118-97-8, 4-Chloro-3,5-dinitrobenzoic
 acid 123-30-8, 4-Aminophenol 572-09-8, Acetobromoglucone
 604-69-3, .beta.-D-Glucose pentaacetate 4214-76-0, 2-Amino-5-
 nitropyridine 5367-57-7 7512-17-6, N-Acetyl-D-glucosamine
 28767-75-1, N-(2-Aminoethyl)-2,4-dinitroaniline 29602-39-9 100418-33-5
 160219-76-1 223577-40-0 479194-00-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (hybrid hair **dye** mols. contg. active groups for
 hair conditioning and hair **dyeing**)
- IT 479193-99-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (hybrid hair **dye** mols. contg. active groups for hair
 conditioning and hair **dyeing**)
- IT **90-80-2**, D-Gluconic acid-.delta.-lactone
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (hybrid hair **dye** mols. contg. active groups for
 hair conditioning and hair **dyeing**)
- RN 90-80-2 HCPLUS
 CN D-Gluconic acid, .delta.-lactone (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 4 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2002:674558 HCPLUS

DN 137:206184

TI Photochromic hair coloring **compon.**

IN Mcmanus, Marjorie; Federer, Blazena

PA USA

SO U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DT Patent

LA English

IC ICM A61K007-06

NCL 424070600

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002122780	A1	20020905	US 2000-549750	20000414
PRAI	US 2000-549750		20000414		

AB A photochromic hair coloring **compon.** and a method for applying to hair a photochromic **compon.**, e.g., selectively to form a design, which is not visible indoors but becomes visible upon exposure to sunlight are disclosed. Thus, a hair **dye compon.** contained water 50.1, Germaben II 1.0, Carbopol Ultrez 10 0.3, SF-1188A 2.0, SD 39C 25.0, Photochromic Pigment (Photopia Yellow) 20.0, emulsifier/solubilizer 1.0, and 50% triethanolamine 0.6%.

ST photochromic hair coloring

IT Hair preparations

Photochromic materials

(**dyes**; photochromic hair coloring **compon.**)

IT Gums and Mucilages

Hair

(photochromic hair coloring **compon.**)

IT Dyes

(photochromic; photochromic hair coloring **compon.**)

IT 60-10-6D, Dithizone, metal complexes 64-17-5, Ethanol, biological studies 79-10-7D, Acrylic acid, esters, polymers 103-33-3D, Azobenzene, derivs. 519-73-3D, Triphenylmethane, derivs. 522-75-8D, Thioindigo, derivs. **5768-89-8D**, Fulgide, derivs. 9003-01-4D, Polyacrylic acid, derivs. 27333-47-7 28779-32-0D, Dihydropyrene, derivs. 41556-26-7 76050-42-5, Carbopol 940 164108-64-9, Photopia Yellow 195739-91-4, Carbopol Ultrez 10

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(photochromic hair coloring **compon.**)

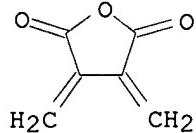
IT **5768-89-8D**, Fulgide, derivs.

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(photochromic hair coloring **compon.**)

RN 5768-89-8 HCPLUS

CN 2,5-Furandione, dihydro-3,4-bis(methylene)- (9CI) (CA INDEX NAME)



L41 ANSWER 5 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:654352 HCPLUS
 DN 137:174527
 TI Hair **dye compositions** containing lactone compounds
 IN Oshika, Masato; Ito, Takashi; Nishizawa, Eiichi; Mizooku, Takashi
 PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-13
 CC 62-3 (Essential Oils and Cosmetics)

applicant

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241246	A2	20020828	JP 2001-38782	20010215
	US 2003066141	A1	20030410	US 2002-60200	20020201
	EP 1238649	A2	20020911	EP 2002-2029	20020207
	EP 1238649	A3	20030514		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	CN 1370517	A	20020925	CN 2002-103557	20020207
PRAI	JP 2001-38780	A	20010215		
	JP 2001-38781	A	20010215		
	JP 2001-38782	A	20010215		
	JP 2001-38783	A	20010215		

AB The invention relates to a hair **dye compn.** providing excellent hair-dye effect without staining the skin, wherein the **compn.** contain **acid dyes** and a C.gtoreq.2 alkyl-substituted 5- or 6-membered ring lactone. A hair **dye compn.** contg. Japan black 401 0.1, Japan purple 401 0.05, Japan orange 205 0.1, .gamma.-hexanolactone 5, ethanol 5, lactic acid 5, NaOH q.s. to pH = 3, hydroxyethyl cellulose 1.5, fragrance 0.2, and water balance to 100% was prep'd.

ST lactone compd hair **dye**

IT Hair preparations

(**dyes**; hair **dye** compns. contg. **acid dyes** and lactone compds.)

IT Lactones

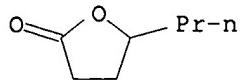
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair **dye** compns. contg. **acid dyes** and lactone compds.)

IT 105-21-5, .gamma.-Heptanolactone 633-96-5, Japan orange 205
 695-06-7, .gamma.-Hexanolactone 1064-48-8, Japan black 401
 3301-90-4, .delta.-Heptanolactone 4430-18-6, Japan purple 401
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair **dye** compns. contg. **acid dyes** and lactone compds.)

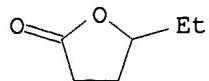
IT 105-21-5, .gamma.-Heptanolactone 695-06-7,
 .gamma.-Hexanolactone 3301-90-4, .delta.-Heptanolactone
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair **dye** compns. contg. **acid dyes** and lactone compds.)

RN 105-21-5 HCPLUS

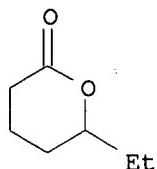
CN 2(3H)-Furanone, dihydro-5-propyl- (8CI, 9CI) (CA INDEX NAME)



RN 695-06-7 HCAPLUS
 CN 2(3H)-Furanone, 5-ethylidihydro- (8CI, 9CI) (CA INDEX NAME)



RN 3301-90-4 HCAPLUS
 CN 2H-Pyran-2-one, 6-ethyltetrahydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 6 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:654351 HCAPLUS
 DN 137:174526
 TI Dyes for cosmetic hair preparations
 IN Oshika, Masato; Ito, Takashi; Nishizawa, Eiichi; Mizooku, Takashi
 PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-13
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 4
applicant

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241245 US 2003066141 EP 1238649 EP 1238649	A2 A1 A2 A3	20020828 20030410 20020911 20030514	JP 2001-38780 US 2002-60200 EP 2002-2029	20010215 20020201 20020207
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR CN 1370517	A	20020925	CN 2002-103557	20020207
PRAI	JP 2001-38780 JP 2001-38781 JP 2001-38782 JP 2001-38783	A	20010215 20010215 20010215 20010215		
AB	A dye compn. contains (1) an acidic dye, and (2) a compd. with 5- or 6-member ring lactone structure, at pH 2-6, of which the buffering activity of aq. soln. after 10-fold diln. is 0.004 -0.2 g equiv./L. Hairs are dyed well without soiling the skin, and without producing mal-odor by the hydrolysis of the				

hair prepn. The org. solvents are selected from the group consisting of benzylxy ethanol, benzyl alc., phenoxyethanol, etc.

ST dye hair cosmetic solvent lactone buffer

IT Hair preparations
(dyes, buffer, and solvents in hair-dyeing compns.)

IT Dyes
(hair preps. contg. dyes, buffer, and solvents)

IT Solvents
(in hair-dyeing compns.)

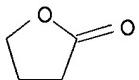
IT 60-12-8, Phenethyl alcohol 71-23-8, 1-Propanol, biological studies
71-36-3, 1-Butanol, biological studies 100-51-6, Benzyl alcohol,
biological studies 104-54-1, Cinnamyl alcohol 105-13-5, p-Anisyl
alcohol 111-77-3, Methylcarbitol 111-90-0, Ethylcarbitol 122-99-6,
Phenoxyethanol 589-18-4, p-Methylbenzyl alcohol 622-08-2 4799-67-1
6343-54-0, N-Benzyl formamide 6881-94-3, Propylcarbitol
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(as solvent in hair-dyeing compns.)

IT 96-48-0, .gamma.-Butyrolactone 542-28-9,
.delta.-Valerolactone 695-06-7, .gamma.-Caprolactone 770-35-4,
Phenoxyisopropanol
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(in hair preps. contg. dyes, buffer, and solvents)

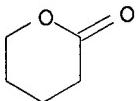
IT 96-48-0, .gamma.-Butyrolactone 542-28-9,
.delta.-Valerolactone 695-06-7, .gamma.-Caprolactone
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(in hair preps. contg. dyes, buffer, and solvents)

RN 96-48-0 HCPLUS

CN 2(3H)-Furanone, dihydro- (8CI, 9CI) (CA INDEX NAME)



RN 542-28-9 HCPLUS
CN 2H-Pyran-2-one, tetrahydro- (8CI, 9CI) (CA INDEX NAME)



RN 695-06-7 HCPLUS
CN 2(3H)-Furanone, 5-ethyldihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 7 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN
AN 2002:637492 HCPLUS
DN 137:174516

TI Replacement materials for silicone in hair cosmetics
 IN Busch, Peter; Gassenmeier, Thomas Otto
 PA Henkel Kommanditgesellschaft Auf Aktien, Germany
 SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2

DT Patent

LA German

IC ICM A61K007-06
ICS A61K007-50CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002064105	A2	20020822	WO 2002-EP976	20020131
	WO 2002064105	A3	20030327		
	W: AU, BG, BR, BY, CA, CN, CZ, DZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RO, RU, SG, SI, SK, UA, US, UZ, VN, YU, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10105922	A1	20020822	DE 2001-10105922	20010209
PRAI	DE 2001-10105922	A	20010209		
OS	MARPAT 137:174516				
AB	The invention relates to a compn. comprising carbohydrates, amino acids, peptides, oil bodies, detergents and quaternary ammonium compds. and use thereof as silicone replacements in agents for influencing the properties of fibrous materials, in particular hair, such as vol., shine, hold, fullness, tactility, electrostatic properties and resistance to heat, UV- and IR-radiation. Thus a compn. contained (wt./wt.%): sodium laureth sulfate 12; serine 1; glycine-glycine 1; cetyltrimethylammonium bromide 0.5; glucose 2; dioctyl ether 1.2; caprylic acid/caprylic acid triglyceride 0.8; water to 100.				
ST	silicone replacement hair cosmetic carbohydrate amino acid peptide oil				
IT	Carbohydrates, biological studies RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (aldofuranose, glucoseamines of; replacement materials for silicone in hair cosmetics)				
IT	Carbohydrates, biological studies RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (aldofuranoses; replacement materials for silicone in hair cosmetics)				
IT	Carbohydrates, biological studies RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (aldopyranose; replacement materials for silicone in hair cosmetics)				
IT	Carbohydrates, biological studies RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (aldopyranoses, glucoseamines of; replacement materials for silicone in hair cosmetics)				
IT	Glycosides RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (alkyl oligoglycosides; replacement materials for silicone in hair cosmetics)				
IT	Amides, biological studies Glycosides				

RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(coco; replacement materials for silicone in hair cosmetics)

IT Proteins
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(condensation products with fatty acids; replacement materials for silicone in hair cosmetics)

IT Hair preparations
(conditioners; replacement materials for silicone in hair cosmetics)

IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(dicarboxylic, esters and ethers of; replacement materials for silicone in hair cosmetics)

IT Hair preparations
(dyes; replacement materials for silicone in hair cosmetics)

IT Sulfonic acids, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(esters, with fatty alcs.; replacement materials for silicone in hair cosmetics)

IT Alcohols, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fatty, esters with sulfonic acid; replacement materials for silicone in hair cosmetics)

IT Alcohols, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fatty, polyglycolether sulfonates; replacement materials for silicone in hair cosmetics)

IT Hair preparations
(fixatives; replacement materials for silicone in hair cosmetics)

IT Peptides, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(gluadin; replacement materials for silicone in hair cosmetics)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(glucamides; replacement materials for silicone in hair cosmetics)

IT Hair preparations
(permanent wave; replacement materials for silicone in hair cosmetics)

IT Detergents
Hair preparations
Shampoos
Surfactants
Wool
(replacement materials for silicone in hair cosmetics)

IT Amino acids, biological studies
Carbohydrates, biological studies
Fats and Glyceridic oils, biological studies
Hexoses
Lactones
Pentoses
Peptides, biological studies
Quaternary ammonium compounds, biological studies

RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(replacement materials for silicone in hair cosmetics)

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(replacement of; replacement materials for silicone in hair cosmetics)

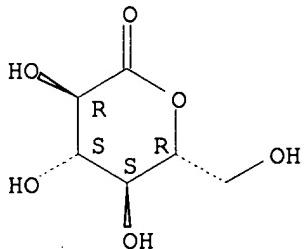
IT Monoglycerides
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(sulfates; replacement materials for silicone in hair cosmetics)

IT 50-69-1, Ribose 50-99-7, D-Glucose, biological studies 52-90-4,
L-Cysteine, biological studies 56-40-6, Glycine, biological studies
56-41-7, L-Alanine, biological studies 56-45-1, L-Serine, biological
studies 56-86-0D, Glutamic acid, fatty acid derivs. 57-09-0,
Cetyltrimethylammonium bromide 57-48-7, D-Fructose, biological studies
57-50-1, Saccharose, biological studies 58-86-6, Xylose, biological
studies 59-23-4, D-Galactose, biological studies 63-42-3, Lactose
63-68-3, L-Methionine, biological studies 63-91-2, L-Phenylalanine,
biological studies 65-42-9, Lyxose 69-79-4, Maltose 72-19-5,
L-Threonine, biological studies 90-80-2 107-35-7D, Taurine,
fatty acid derivs. 107-43-7D, Betaine, alkylamido deriv. 107-64-2,
Distearyldimethylammoniumchloride 107-97-1D, Sarcosinic acid, fatty acid
derivs. 110-15-6D, Succinic acid, mono and dialkylsulfo derivs.
112-02-7, Cetyltrimethylammoniumchloride 112-03-8,
Stearyltrimethylammoniumchloride 123-03-5, Cetylpyridiniumchloride
139-07-1, Lauryldimethylbenzylammoniumchloride 140-72-7,
Cetylpyridiniumbromide 147-81-9, Arabinose 312-84-5, D-Serine
338-69-2, D-Alanine 348-67-4, D-Methionine 461-42-7D, Ethionic acid,
fatty acid derivs. 526-95-4, Gluconic acid 528-50-7, Celllobiose
554-91-6, Gentiobiose 556-50-3 597-12-6, Melezitose 632-20-2,
D-Threonine 673-06-3, D-Phenylalanine 687-63-8 687-69-4 704-15-4
721-90-4 921-01-7, D-Cysteine 1120-02-1, Stearyltrimethylammoniumbromide
1758-51-6, Erythrose 1990-29-0, D-Altrose 2016-48-0 2595-97-3,
D-Allose 2595-98-4, D-Talose 3416-24-8D, D-Glucose, 2-amino-2-deoxy-,
reaction products with aldopyranoses and aldonofuranoses 3458-28-4,
D-Mannose 3700-67-2, Distearyldimethylammoniumbromide 4205-23-6,
D-Gulose 5978-95-0, D-Idose 6556-12-3, Glucuronic acid 6620-95-7
7281-04-1, Lauryldimethylbenzylammoniumbromide 7535-00-4, Galactosamine
9002-92-0, Laureth 9004-82-4, Sodium laureth sulfate 13000-25-4,
Lactosamine 14307-02-9, Mannosamine 21142-28-9, MIPA-lauryl sulfate
29884-64-8, Threose 121428-48-6
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
(Biological study); USES (Uses)
(replacement materials for silicone in hair cosmetics)

IT 90-80-2
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
(Biological study); USES (Uses)
(replacement materials for silicone in hair cosmetics)

RN 90-80-2 HCPLUS
CN D-Gluconic acid, .delta.-lactone (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 8 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2002:517919 HCPLUS

DN 137:83390

TI Semipermanent hair dyes containing direct dyes and solvents

IN Kawai, Tetsuya; Itou, Takashi

PA Kao Corp., Japan

SO Ger. Offen., 8 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10200185	A1	20020711	DE 2002-10200185	20020104
	JP 2002205927	A2	20020723	JP 2001-465	20010105
	US 2002144356	A1	20021010	US 2001-22425	20011220
PRAI	JP 2001-465	A	20010105		

OS MARPAT 137:83390

AB The invention concerns semipermanent hair dyes that contain direct dyes, paraffin oils, polyoxyalkylene-modified dimethylpolysiloxanes and solvents selected from the group of low mol. wt. alcs., 2-pyrrolidone derivs., etc. Thus a hair dye contained (wt./wt.%): Acid red 52 0.5; propylene carbonate 20; ethanol 5; light isoparaffin 3; polyethylene glycol (Mw 2 000 000) 2; Silicon KF6017 (polyoxyalkylene-modified dimethylpolysiloxane) 2; lactic acid (90%) 5; sodium hydroxide to pH3; perfume 0.1; water to 100.

ST semipermanent hair dye

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me, hydroxyalkyl Me, ethoxylated; semipermanent hair dyes contg. direct dyes and solvents)

IT Dyes

(direct; semipermanent hair dyes contg. direct dyes and solvents)

IT Hair preparations

(dyes; semipermanent hair dyes contg. direct dyes and solvents)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyoxyalkylene-modified; semipermanent hair dyes contg. direct dyes and solvents)

IT Solvents

(semipermanent hair dyes contg. direct dyes and solvents)

IT Isoalkanes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

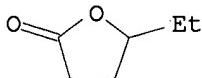
(semipermanent hair dyes contg. direct dyes and solvents)

IT 64-17-5, Ethanol, biological studies 100-51-6, Benzylalcohol, biological studies 616-45-5D, 2-Pyrrolidone, derivs. 622-08-2, 2-Benzylxyethanol 633-96-5, Acid orange 7 695-06-7, .gamma.-Hexanolactone 872-50-4, N-Methylpyrrolidone, biological studies 1064-48-8, Acid Black 1 3520-42-1, Acid red 52 4430-18-6, Acid Violet 43 6441-91-4, Acid Violet 1 9016-00-6D, Di-Me siloxane, SRU, polyoxyalkylene-modified Dimethylsilanediol homopolymer, polyoxyalkylene-modified RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (semipermanent hair dyes contg. direct dyes and solvents)

IT 695-06-7, .gamma.-Hexanolactone RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (semipermanent hair dyes contg. direct dyes and solvents)

RN 695-06-7 HCPLUS

CN 2(3H)-Furanone, 5-ethyldihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 9 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:504587 HCPLUS
 DN 137:83379
 TI Oxidative hair dye composition for dyeing of keratinous fibers comprising a diamino pyrazole and a carbonyl compound
 IN Cotteret, Jean
 PA L'oreal, Fr.
 SO PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 IC ICM A61K007-13
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2002051373	A1	20020704	WO 2001-FR3729	20011126	
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2818538	A1	20020628	FR 2000-16952	20001222	
	FR 2818538	B1	20030207			
PRAI	FR 2000-16952	A	20001222			
OS	MARPAT	137:83379				
AB	The invention concerns a compn. for oxidn. dyeing of keratinous fibers, in particular human keratinous fibers such as human					

hair, comprising at least an oxidn. base selected among 4,5 or 3,4-diamino pyrazoles and triamino pyrazoles, assocd. with at least a selected mineral compd. The invention also concerns a **dyeing** method using said **compn.** with an oxidizing agent. A hair **dye** contained 4,5-diamino-1-.beta.-hydroxyethylpyrazole.2HCl 0.645, 3-amino-6-methylphenol 0.369, urea 0.1, water and other excipients q.s. 100 g. At the time of use equal amt. of **dye** is mixed with 20 vol. hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, and dried to obtain a strong red color.

ST oxidative hair **dye** aminopyrazole carbonyl compd

IT Carbohydrates, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aldoses; oxidative hair **dye** **compn.** for
dyeing of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Ketones, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aliph.; oxidative hair **dye** **compn.** for
dyeing of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Ketones, biological studies

Polyimides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(arom.; oxidative hair **dye** **compn.** for
dyeing of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Hair preparations

(**dyes**, oxidative; oxidative hair **dye** **compn.**
. for **dyeing** of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Salts, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(of peroxy acids; oxidative hair **dye** **compn.**
. for **dyeing** of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT **Acids**, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(org.; oxidative hair **dye** **compn.** for **dyeing**
of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Coupling agents

Human

Oxidizing agents

(oxidative hair **dye** **compn.** for **dyeing** of
keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Aldehydes, biological studies

Ketones, biological studies

Peroxy acids

Peroxysulfates

Polyimides, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative hair **dye** **compn.** for **dyeing** of
keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT Group IIIA element compounds

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(perborates; oxidative hair **dye** **compn.** for
dyeing of keratinous fibers comprising diamino pyrazole and carbonyl compd.)

IT 57-13-6, Urea, biological studies 57-48-7, D Fructose, biological

studies 67-64-1, Acetone, biological studies 89-32-7, Pyromellitic dianhydride 100-10-7, p-(Dimethylamino)benzaldehyde 124-43-6
 491-38-3D, Chromone, derivs. 563-69-9, Carbonoperoxoic acid
1121-34-2, Malic anhydride 2421-28-5 2835-95-2,
 3-Amino-6-methylphenol 3142-58-3 5751-48-4, 2-Methyl chromone
 6915-15-7, Malic acid 7722-84-1, Hydrogen peroxide, biological
 studies 16461-98-6, 1H-Pyrazole-3,4-diamine 25036-53-7, Kapton H
 45514-38-3 52943-88-1 57047-11-7 63536-19-6 70254-61-4
 76492-69-8 76492-70-1 78467-10-4 78467-17-1 89868-34-8
 96886-30-5 103245-13-2 103245-14-3 103245-15-4 103245-16-5
 103245-17-6 103245-18-7 103245-19-8 103245-23-4 118020-67-0,
 1H-Pyrazole-3,4,5-triamine 122128-84-1 131311-66-5 132026-21-2
 132026-22-3 132026-41-6 132026-42-7 132026-43-8 132026-44-9
 132026-45-0 132026-72-3 132026-73-4 132026-83-6 148777-82-6
 153940-62-6 153990-63-7 153990-64-8 153990-65-9 153990-66-0
 153990-67-1 153990-68-2 153990-69-3 153990-70-6 153990-71-7
 155601-15-3 155601-16-4 155601-17-5 155601-18-6 155601-24-4
 157469-53-9 157469-54-0 157469-55-1 157469-56-2 157469-57-3
 157469-58-4 184172-85-8 184172-94-9 184172-95-0 184172-96-1
 184172-97-2 184172-98-3 184172-99-4 184173-00-0 184173-01-1
 184173-02-2 184173-03-3 184173-04-4 184173-05-5 184173-06-6
 184173-07-7 184173-08-8 184173-09-9 184173-10-2 184173-11-3
 184173-12-4 184173-13-5 184173-14-6 184173-15-7 184173-16-8
 184173-17-9 184173-18-0 184173-19-1 184173-20-4 184173-21-5
 184173-22-6 184173-23-7 184173-24-8 184173-25-9 184173-26-0
 184173-27-1 184173-28-2 184173-29-3 184173-30-6 184173-31-7
 184173-32-8 184173-33-9 184173-34-0 184173-35-1 184173-36-2
 184173-37-3 184173-38-4 184173-39-5 184173-40-8 184173-41-9
 184173-42-0 184173-43-1 184173-45-3 184173-46-4 184173-47-5
 184173-48-6 191731-06-3 191731-07-4 191731-08-5 351184-15-1
 439902-00-8 439902-01-9 439902-02-0 439902-03-1 439902-04-2
 439902-05-3 439902-06-4 439902-46-2

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (oxidative hair dye compn. for
 dyeing of keratinous fibers comprising diamino
 pyrazole and carbonyl compd.)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Andrean, H; WO 0038640 A 2000 HCAPLUS
- (2) Balzer, W; US 5718731 A 1998 HCAPLUS
- (3) Henkel Kgaa; EP 0873745 A 1998 HCAPLUS
- (4) Wella Ag; DE 3843892 A 1990 HCAPLUS
- (5) Wella Ag; DE 4234886 A 1994 HCAPLUS

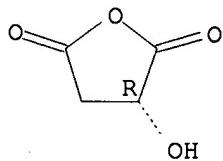
IT **1121-34-2**, Malic anhydride

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (oxidative hair dye compn. for
 dyeing of keratinous fibers comprising diamino
 pyrazole and carbonyl compd.)

RN 1121-34-2 HCAPLUS

CN 2,5-Furandione, dihydro-3-hydroxy-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 10 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:233055 HCAPLUS

DN 136:252254

TI Hair **dyes** and their affinity to skin models

IN Nishizawa, Eiichi; Mizooku, Takashi; Ito, Takashi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002087944	A2	20020327	JP 2000-272981	20000908
PRAI	JP 2000-272981		20000908		

AB This invention relates to hair **dyes** which do not affect the scalp during **dyeing** process. The hair **dye** compn. is selected not to be adhered on the scalp. A horny layer intercellular lipid model is obtained by heating a **compr.** contg. N-(3-hexadecyloxy-2-hydroxypropyl)-N-(2-hydroxyethyl)hexadecanamide 27.5, cholesteryl isostearate 5, stearic acid 10, cholesterol 7.5, and distd. water 50 parts, to 80.degree. for 30 min, then cooling at the room temp. A difference in the m.p. of a mixt. contg. hair base prepns. (without **dyes**) and the above skin model at the ratio of 25 to 3 and the m.p. of a mixt. contg. water and the skin model at the ratio of 25 to 3, is .ltoreq. 10.degree.. The hair **dyes** comprising 0.1 % Japan Red 106, color goat hair at 30.degree. for 10 min with color difference .DELTA.E > 70. A hair **dye** contained Japan Red 106 0.1, lactic acid 5, .gamma.-caprolactone 5, NaOH q.s. to pH 3, and distd. water balance to 100 %.

ST hair **acidic dye** caprolactone

IT Hair preparations

(**dyes**; hair base prepns. for **acidic dyes** to prevent coloring scalp)

IT 50-21-5, Lactic acid, biological studies 64-17-5, Ethanol, biological studies 77-92-9, Citric acid, biological studies 100-51-6, Benzyl alcohol, biological studies 695-06-7, .gamma.-Caprolactone 1064-48-8, Japan Black 401 3520-42-1, Japan Red 106 9004-62-0, Hydroxyethyl cellulose

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

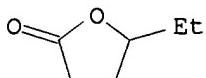
(hair base prepns. for **acidic dyes** to prevent coloring scalp)

IT 57-11-4, Stearic acid, biological studies 57-88-5, Cholesterol, biological studies 83615-24-1, Cholesteryl isostearate 110483-07-3

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(horny layer intercellular lipid models for testing adherence of hair

IT dyes to scalp)
 IT 695-06-7, .gamma.-Caprolactone
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair base preps. for acidic dyes to
 prevent coloring scalp)
 RN 695-06-7 HCAPLUS
 CN 2(3H)-Furanone, 5-ethyldihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 11 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:87138 HCAPLUS

DN 136:123364

TI Hair dye compositions containing triarylmethane
 dyes

IN Oshika, Masato; Miyabe, Hajime

PA Kao Corporation, Japan

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1175893	A2	20020130	EP 2001-116743	20010719
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002037718	A2	20020206	JP 2000-223693	20000725
PRAI	JP 2000-223693	A	20000725		

OS MARPAT 136:123364

AB A hair dye compn. contains a cationic direct
 dye having a triarylmethane structure and an org. solvent such as
 benzyl alc., phenoxyethanol, butanol, ethylene glycol, an
 N-alkylpyrrolidone, ethylene carbonate, and .gamma.-butyro- or
 .gamma.-valerolactone. This hair dye compn. is
 capable of dyeing the hair intensely and uniformly and is
 excellent in resistance against shampooing and the like after hair
 dyeing. Thus, a hair dye compn. contained
 C.I. Basic Blue-7 0.05, C.I. Basic Red-51 0.01, C.I. Basic Yellow-87
 0.05, 2-benzyloxyethanol 10, EtOH 10, propylene glycol 5, hydroxypopyl
 guar gum 1.5, Catinal LC-100 1, KF-6005 1, Amodimethicone SM8702C 1,
 monoethanolamine 0.1, H₃PO₄ to pH 9, and water balance to 100%.

ST triarylmethane dye hair solvent

IT Dyes

(cationic; hair dye compns. contg. triarylmethane
 dyes)

IT Dyes

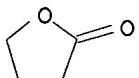
(direct; hair dye compns. contg. triarylmethane dyes
)

IT Hair preparations

(dyes; hair dye compns. contg. triarylmethane

dyes)

- IT 96-48-0, .gamma.-Butyrolactone 100-51-6, Benzyl alcohol,
 biological studies 108-32-7, Propylene carbonate 111-76-2, Ethylene
 glycol monobutyl ether 622-08-2, 2-Benzylxyethanol 872-50-4,
 N-Methylpyrrolidone, biological studies 2390-60-5, C.I. Basic blue 7
 2580-56-5, C.I. Basic blue 26 8005-66-1, C.I. Basic blue 14
 12270-25-6, C.I. Basic Red 51 61901-61-9, C.I. Basic Orange 31
 116844-55-4, C.I. Basic Yellow 87
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair dye compns. contg. triarylmethane
dyes)
 IT 96-48-0, .gamma.-Butyrolactone
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair dye compns. contg. triarylmethane
dyes)
 RN 96-48-0 HCAPLUS
 CN 2(3H)-Furanone, dihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 12 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:9840 HCAPLUS

DN 136:74285

TI Method for oxidative **dyeing** of human hair at pH 5-8

IN Theis, Heinz; Noecker, Bernd; Wilz, Ruediger

PA Goldwell G.m.b.H., Germany

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DT Patent

LA German

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1166758	A1	20020102	EP 2001-115548	20010628
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	DE 2000-10031612	A	20000629		
AB	The invention concerns a gentle method for dyeing hair with oxidative dyes by mixing the developer and coupler compns. with the oxidn. agent and adding an acidifying substance to the mixt. before application onto the hair; the pH is lowered from pH 8-11 to pH 5-8. Thus, a hair dye compn. contained (wt./wt.%): 2,5,6-triamino-4-hydroxypyrimidine sulfate 0.01, 2,5-diaminotoluene sulfate 0.55, 4-chlororesorcin 0.17, resorcin 0.05, 3-aminophenol 0.03, cetostearyl alc. 11.00, oleth-5 5.00, oleic acid 2.50, stearic acid monoethanolamide 2.50, coco fatty acid monoethanolamides 2.50, SDS 1.70, Na2SO3 1.00, 1,2-propanediol 1.00, ascorbic acid 0.50, NH4Cl 0.50, tetra-Na EDTA 0.20, perfume 0.40, wheat protein hydrolyzate 0.20, silica 0.10, and water to 100.00, pH 9.8. 40 G of the compn. was mixed with equal amt. of 6% hydrogen peroxide soln. and 40 g glucuronolactone. The mixt. was applied onto bleached human hair; after 15 min pH 7.1 was				

measured; this value was maintained during the following 15 min of development.

ST oxidative hair **dye** neutralization glucuronolactone
gluconolactone acetylsalicylate

IT Hair preparations
(**dyes**, oxidative; method for oxidative **dyeing** of
human hair at pH 5-8)

IT Neutralization
pH
(method for oxidative **dyeing** of human hair at pH 5-8)

IT **Acids**, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(method for oxidative **dyeing** of human hair at pH 5-8)

IT 50-78-2, Acetylsalicylic acid 90-15-3, 1-Naphthol 95-88-5,
4-Chlororesorcin 108-46-3, Resorcin, biological studies 591-27-5,
3-Aminophenol 615-50-9, 2,5-Diaminotoluene sulfate 1198-69-2,
D-Gluconolactone 7722-84-1, Hydrogen peroxide, biological studies
32449-92-6, Glucuronolactone 33631-05-9, 2-Amino-4-
hydroxypyridine 39267-74-8, 2,5,6-Triamino-4-hydroxypyrimidine sulfate

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(method for oxidative **dyeing** of human hair at pH
5-8)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

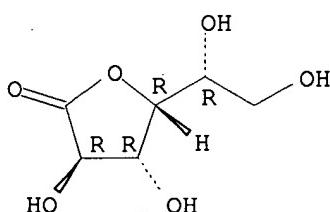
- (1) Goldwell Gmbh; EP 0962218 A 1999 HCPLUS
- (2) Goldwell Gmbh; DE 19825133 C 2000 HCPLUS
- (3) Lorenz, H; US 5053051 A 1991 HCPLUS
- (4) Wajaroff, T; US 3975515 A 1976 HCPLUS

IT 1198-69-2, D-Gluconolactone 32449-92-6, Glucuronolactone
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(method for oxidative **dyeing** of human hair at pH
5-8)

RN 1198-69-2 HCPLUS

CN D-Gluconic acid, .gamma.-lactone (9CI) (CA INDEX NAME)

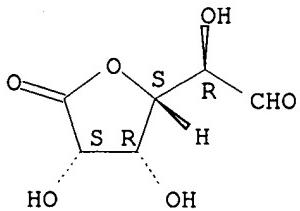
Absolute stereochemistry.



RN 32449-92-6 HCPLUS

CN D-Glucuronic acid, .gamma.-lactone (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 13 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2001:780630 HCPLUS

DN 135:334996

TI Nanoscopic hair care products

IN Soane, David S.; Linford, Matthew R.

PA USA

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001078663	A2	20011025	WO 2001-US11970	20010413
	WO 2001078663	A3	20020530		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1276452	A2	20030122	EP 2001-926913	20010413
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	BR 2001010608	A	20030401	BR 2001-10608	20010413
	US 2003072728	A1	20030417	US 2002-269272	20021011
PRAI	US 2000-197766P	P	20000414		
	WO 2001-US11970	W	20010413		
AB	The present invention is directed to a hair treatment prepn. comprising a payload in an intimate relationship to a polymeric nanostructure, the polymeric nanostructure being reactive to hair or capable of being immobilized onto or in hair. The nanoscopic nature of the entities being engineered ensures three distinct characteristics. First, the imparted attribute can be either nearly permanent or semi-permanent, depending on the attachment chem. In the semi-permanent version, the intended effect can be controllably erased by removal of the nanostructure by simple chem. or phys. means. Second, the nanoscopic entities are invisibly small. Their presence does not deteriorate the hand or feel of the hair. Third, the nano-technol. approach is infinitely flexible and adaptable. It can be coupled with many existing dyes, colorants, UV absorbers, fragrances, softening agents and the like for hair treatment. Dye mols. are covalently bonded to amine-contg. polymers such as polyethylenimine,				

poly(allylamine-HCl) or poly lysine.

ST hair care nanoscopic polymer dye

IT Hair preparations
(dyes; nanoscopic hair care products)

IT Hair preparations
(nanoscopic hair care products)

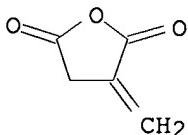
IT 2435-64-5D, reaction products with polymers 9002-98-6D,
Polyethylenimine, reaction products with dyes 9003-01-4D, Polyacrylic acid, reaction products with dyes 24937-72-2D,
Poly(maleic anhydride), reaction products with dyes 25104-18-1D,
Poly-L-lysine, reaction products with dyes 25119-64-6D, Poly(itaconic acid), reaction products with dyes 38000-06-5D,
Poly-L-lysine, reaction products with dyes 39138-45-9D, reaction products with polymers 71550-12-4D, Poly(allylamine) hydrochloride, reaction products with dyes 369650-90-8D, reaction products with polymers 369650-91-9D, reaction products with polymers
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(nanoscopic hair care products)

IT 108-31-6, Maleic anhydride, biological studies 112-24-3,
Triethylenetetramine 2170-03-8, Itaconic anhydride 2210-25-5,
N-Isopropylacrylamide 25189-84-8, Poly(acryloyl chloride) 25301-00-2,
Poly(acrylic anhydride)
RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(nanoscopic hair care products)

IT 2170-03-8, Itaconic anhydride
RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(nanoscopic hair care products)

RN 2170-03-8 HCPLUS

CN 2,5-Furandione, dihydro-3-methylene- (9CI) (CA INDEX NAME)



L41 ANSWER 14 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN
AN 2000:402925 HCPLUS
DN 133:8860
TI Hair-dressing compositions containing an amine polyoxyalkylene silicone block copolymer and a fixation polymer
IN Dupuis, Christine
PA L'Oreal S. A., Fr.
SO Fr. Demande, 24 pp.
CODEN: FRXXBL
DT Patent
LA French
IC ICM A61K007-06
ICS A61K007-11
CC 62-3 (Essential Oils and Cosmetics)
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI FR 2780643 A1 20000107 FR 1998-8558 19980703
FR 2780643 B1 20000818
PRAI FR 1998-8558 19980703
OS MARPAT 133:8860
AB The title hair-dressing compns. are disclosed. A **compn.** contained Ultrahold Strong (a terpolymer of acrylic acid-Et acrylate-N-tertio-Bu acrylamide) 2, Silosoft A843 (amine polyoxyalkylene silicone block copolymer) 1, and water q.s. 100%.
ST hair dressing amine polyoxyalkylene silicone copolymer; Ultrahold Silosoft A843 hair dressing
IT Polyelectrolytes
(amphoteric; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Polyelectrolytes
(anionic; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Hair preparations
(creams; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Cosmetics
(emollients; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Hair preparations
(gels; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Air
Dyes
Perfumes
Preservatives
Propellants (sprays and foams)
Sequestering agents
Sunscreens
Thickening agents
(hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Acrylic polymers, biological studies
Hydrocarbons, biological studies
Proteins, general, biological studies
Vitamins
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Hair preparations
(lotions; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Cosmetics
(moisturizers; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(polycarboxylic; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)
IT Vinyl compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(polymers; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

IT Polysiloxanes, biological studies
 Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (polyoxyalkylene-, block, amino-contg.; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

IT Polyoxyalkylenes, biological studies
 Polyoxyalkylenes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (polysiloxane-, block, amino-contg.; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

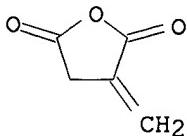
IT Hair preparations
 (sprays; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

IT Alkenes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (.alpha.-; hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

IT 97-65-4D, Itaconic acid, derivs., polymers 108-31-6D, Maleic anhydride, derivs., polymers 110-16-7D, Maleic acid, derivs., polymers 110-17-8D, Fumaric acid, derivs., polymers 115-10-6, Dimethyl ether 616-02-4D, Citraconic anhydride, derivs., polymers 2170-03-8D, Itaconic anhydride, derivs., polymers 7727-37-9, Nitrogen, biological studies 9003-05-8, Polyacrylamide 9003-06-9, Acrylic acid acrylamide copolymer 26062-56-6, Ultrahold strong 67016-70-0, Amphomer 89492-09-1, FlexaN 130 221130-95-6, Silsoft a 843
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

IT 2170-03-8D, Itaconic anhydride, derivs., polymers
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (hair-dressing compns. contg. amine polyoxyalkylene silicone block copolymer and fixation polymer)

RN 2170-03-8 HCPLUS
 CN 2,5-Furandione, dihydro-3-methylene- (9CI) (CA INDEX NAME)



L41 ANSWER 15 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:787647 HCPLUS
 DN 132:15478
 TI Hair **dyes** containing aldose, aldonic **acid** and N-alkylpyrrolidone
 IN Noguchi, Mutsumi; Yoshimoto, Megumi; Koyagi, Tomoko; Nishida, Yuichi
 PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11343217	A2	19991214	JP 1998-166167	19980529
PRAI	JP 1998-166167		19980529		
OS	MARPAT 132:15478				

AB Hair dyes showing excellent hair-dying effects comprise: [a] aldose, aldonic acid and/or salts and [b] N-alkylpyrrolidone in addn. to acidic or natural colorants. A hair dye contained silver chlorophyllin 2, N-methylpyrrolidone 12, sodium lactate 10, ethanol 20 and purified water to 100 wt.%.

ST hair **dye** aldose aldonic **acid** alkylpyrrolidone

IT Carbohydrates, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(aldonic acids; hair **dyes** contg. aldose, aldonic
acid and N-alkylpyrrolidone)

IT Carbohydrates, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(aldoses; hair **dyes** contg. aldose, aldonic **acid** and
N-alkylpyrrolidone)

IT Hair preparations

(**dyes**; hair **dyes** contg. aldose, aldonic
acid and N-alkylpyrrolidone)

IT 616-45-5, Pyrrolidone

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(N-alkyl; hair **dyes** contg. aldose, aldonic **acid** and
N-alkylpyrrolidone)IT 58-86-6, Xylose, biological studies 68-04-2, Sodium citrate 72-17-3,
Sodium lactate 79-14-1, Glycolic **acid**, biological studies90-80-2, Glucono-.delta.-lactone 872-50-4, N-Methylpyrrolidone,
biological studies 19222-41-4, Ammonium GluconateRL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(hair **dyes** contg. aldose, aldonic **acid**
and N-alkylpyrrolidone)

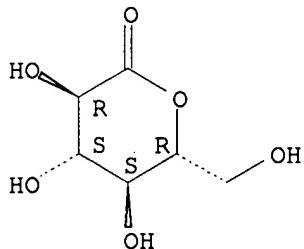
IT 90-80-2, Glucono-.delta.-lactone

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)(hair **dyes** contg. aldose, aldonic **acid**
and N-alkylpyrrolidone)

RN 90-80-2 HCPLUS

CN D-Gluconic acid, .delta.-lactone (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 16 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:783903 HCAPLUS

DN 132:26633

TI Pipecolic acid derivatives for hair growth **compositions**

IN Hamilton, Gregory S.; Steiner, Joseph P.

PA Guilford Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 103 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K007-48

ICS A61K031-50; A61K031-435; A61K031-445; C07K005-02; C07K005-08

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962483	A1	19991209	WO 1998-US11242	19980603
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2333698	AA	19991209	CA 1998-2333698	19980603
	AU 9877167	A1	19991220	AU 1998-77167	19980603
	AU 761083	B2	20030529		
	EP 1083872	A1	20010321	EP 1998-925152	19980603
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002516839	T2	20020611	JP 2000-551739	19980603

PRAI WO 1998-US11242 A 19980603

AB This invention relates to pharmaceutical compns. and methods for treating alopecia and promoting hair growth using pipecolic acid derivs. Thus, a hair lotion contained 95% EtOH, a pipecolic acid deriv. such as 4-(4-methoxyphenyl)butyl 1-(2-oxo-2-phenylacetyl)-2-piperidinocarboxylate 10.0, .alpha.-tocopherol acetate 0.01, ethoxylated hardened castor oil 0.5, and water 9.0%, and perfume and **dye**.

ST pipecolic acid deriv hair growth

IT Hair preparations

(creams; pipecolic acid derivs. for hair growth compns.)

IT Hair preparations

(emulsions; pipecolic acid derivs. for hair growth compns.)

IT Hair preparations
 (growth stimulants; pipecolic acid derivs. for hair growth compns.)

IT Hair preparations
 (lotions; pipecolic acid derivs. for hair growth compns.)

IT Alopecia
 Immunosuppressants
 Shampoos
 (pipecolic acid derivs. for hair growth compns.)

IT Immunophilins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (pipecolic acid derivs. for hair growth compns.)

IT 535-75-1D, Pipecolic acid, derivs. 53123-88-9, Rapamycin 141084-63-1
 145021-24-5 145021-25-6 145021-36-9 145021-37-0 145021-38-1
 145021-39-2 145021-43-8 145021-46-1 145021-47-2 145037-51-0
 147438-29-7 149438-31-3, Way 124466 152754-34-2 152754-35-3
 152754-36-4 152754-37-5 152754-38-6 152754-39-7 152754-40-0
 152754-41-1 152754-42-2 153011-31-5, SBL 506 155255-30-4
 155255-31-5 **155255-32-6** 155367-80-9 155399-01-2
 155399-02-3 155668-46-5 155668-47-6 155668-49-8 155668-50-1
 155668-51-2 155668-52-3 155668-53-4 155668-54-5 155668-55-6
 155668-56-7 155668-57-8 155668-58-9 155668-59-0 155668-61-4
 155668-63-6 156038-45-8 157757-22-7 157757-23-8 186834-62-8
 186834-63-9 186834-64-0 186834-65-1 186834-69-5 186834-70-8
 186834-71-9 186959-50-2 186959-54-6 186959-57-9 186959-60-4
 186959-61-5 186959-64-8 186959-67-1 186959-70-6 186959-77-3
 186974-30-1 194232-17-2 194232-18-3 194232-19-4 251969-48-9
 252002-37-2 252002-55-4 252002-58-7 252002-62-3 252002-64-5
 252002-66-7 252002-68-9 252002-70-3 252002-75-8 252002-76-9
 252002-79-2 252002-81-6 252002-83-8 252002-85-0 252002-87-2
 252002-89-4 252002-91-8 252002-96-3 252002-98-5 252002-99-6
 252003-00-2 252003-01-3 252003-02-4
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (pipecolic acid derivs. for hair growth compns.)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Armistead, D; US 5620971 A 1997 HCPLUS
- (2) Astra Aktiebolaget; WO 9611943 A 1996 HCPLUS
- (3) Fujisawa Pharm Co Ltd; EP 0423714 A 1987 HCPLUS
- (4) Guilford Pharm; WO 9813343 A 1998 HCPLUS
- (5) Nelson, F; US 5385908 A 1995 HCPLUS
- (6) Skotnicki, J; US 5252579 A 1993 HCPLUS

IT **155255-32-6**

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (pipecolic acid derivs. for hair growth compns.)

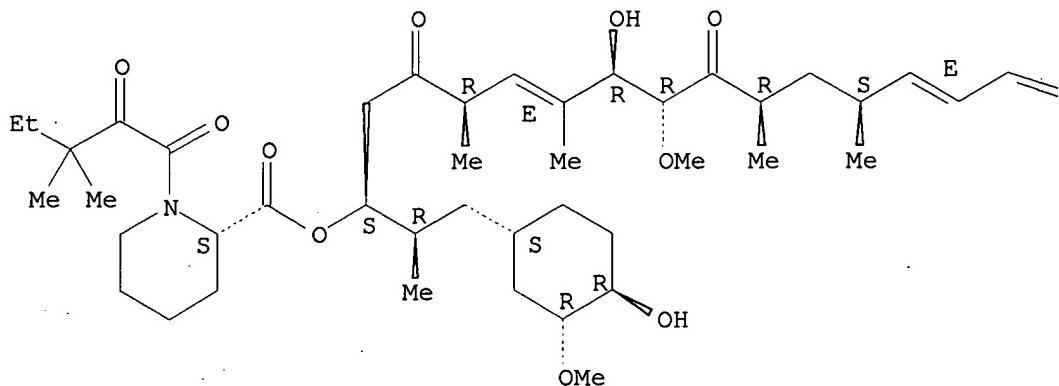
RN 155255-32-6 HCPLUS

CN 2-Piperidinecarboxylic acid, 1-(3,3-dimethyl-1,2-dioxopentyl)-,
 (1S,4R,5E,7R,8R,10R,12S,13E,15E,17E,19S)-7-hydroxy-1-[(1R)-2-[(1S,3R,4R)-4-
 hydroxy-3-methoxycyclohexyl]-1-methylethyl]-8,19-dimethoxy-4,6,10,12,18-
 pentamethyl-3,9-dioxa-20-[(2S,5R)-tetrahydro-5-methyl-6-oxo-2H-pyran-2-yl]-
 5,13,15,17-eicosatetraenyl ester, (2S)- (9CI) (CA INDEX NAME)

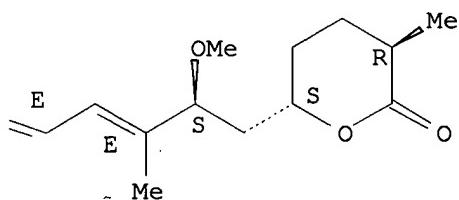
Absolute stereochemistry.

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



L41 ANSWER 17 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:380670 HCAPLUS

DN 131:78159

TI Hair dyes containing 4-amino-N,N-dialkylaniline compounds

IN Kimura, Keizo

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 31 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

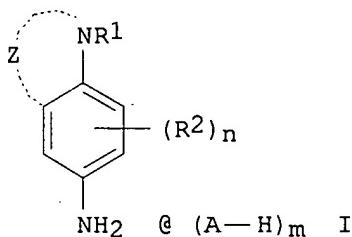
IC ICM A61K007-13

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 28

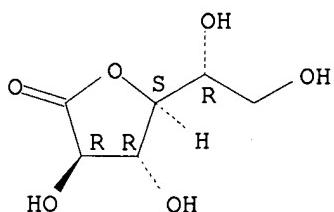
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11158047	A2	19990615	JP 1997-328130	19971128
	US 2002197223	A1	20021226	US 1998-200733	19981127
PRAI	JP 1997-328129	A	19971128		
	JP 1997-328130	A	19971128		
	JP 1997-329998	A	19971201		
OS	MARPAT 131:78159				
GI					



- AB Hair dyes contain 4-amino-N,N-dialkyylaniline compds. I [R1 = alkyl, aryl; R2 = alkyl; Z = ethylene; n = 0-3]. The preps. showed excellent applicability and were washing-resistant. A hair dye contained I 10, p-aminophenol 3, resorcinol 2, 5-amino-2-methylphenol 2, sodium percarbonate 40, ammonium monohydrogen phosphate 15, stearyltrimethylammonium chloride 2, di-Na EDTA 0.2, xanthan gum 0.2, sodium CM-cellulose 20 and perfumes 0.3 wt.%.
- ST hair dye aminodialkyylaniline compd prepns; aniline aminodialkyl hair dye
- IT Hair preparations
(dyes; hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- IT 228569-11-7 228569-14-0 228569-17-3 228569-20-8 228569-23-1
228569-25-3 228569-28-6 228569-32-2 228569-36-6 228569-40-2
228569-44-6 228569-47-9 228569-51-5 228569-54-8 228569-57-1
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- IT 7766-63-4 200346-35-6 200346-36-7 200346-37-8 200346-38-9
228568-76-1 228568-78-3
RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- IT 200346-02-7P 200346-15-2P 228568-81-8P 228569-09-3P
RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- IT 67-64-1, 2-Propanone, reactions 75-36-5, Acetyl chloride 81-04-9,
1,5-Naphthalenedisulfonic acid 108-24-7 108-44-1, reactions
110-87-2 127-09-3 128-08-5 496-15-1 503-60-6 628-89-7
2782-07-2 5197-62-6 5369-16-4 15470-55-0 54533-84-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- IT 1810-62-4P **161085-33-2P** 171662-36-5P 171662-37-6P
200346-23-2P 200346-24-3P 200346-32-3P 200346-42-5P 200346-43-6P
200346-44-7P 200346-45-8P 200346-46-9P 228568-87-4P
228569-03-7P 228569-05-9P 228569-07-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- IT **2782-07-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(hair dyes contg. 4-amino-N,N-dialkyylaniline compds.)
- RN 2782-07-2 HCPLUS
CN D-Galactonic acid, .gamma.-lactone (6CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 161085-33-2P 228569-03-7P

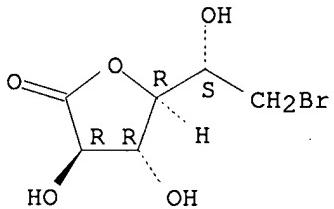
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(hair dyes contg. 4-amino-N,N-dialkylaniline compds.)

RN 161085-33-2 HCPLUS

CN D-Galactonic acid, 6-bromo-6-deoxy-, .gamma.-lactone (9CI) (CA INDEX NAME)

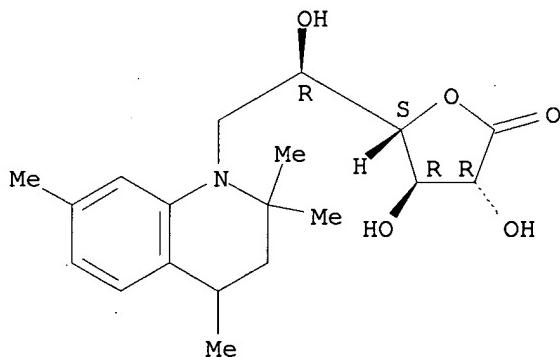
Absolute stereochemistry.



RN 228569-03-7 HCPLUS

CN D-Galactonic acid, 6-deoxy-6-(3,4-dihydro-2,2,4,7-tetramethyl-1(2H)-quinolinyl)-, .gamma.-lactone (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 18 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 1999:254090 HCPLUS

DN 130:301486

TI Use of **compositions** containing dehydroascorbic **acid** for **dyeing** fibers containing keratin

IN Moeller, Hinrich; Hoeffkes, Horst

PA Henkel K.-G.a.A., Germany

SO Ger. Offen., 10 pp.

CODEN: GWXXBX
 DT Patent
 LA German
 IC ICM A61K007-13
 ICS D06P003-14; D06P003-30; C07D307-62
 CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19745354	A1	19990415	DE 1997-19745354	19971014
	WO 9918917	A2	19990422	WO 1998-EP6310	19981005
	WO 9918917	A3	19990624		
	W: AU, BR, CA, CN, CZ, HU, JP, NO, PL, RU, SK, US, VN				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9911500	A1	19990503	AU 1999-11500	19981005
	EP 1028695	A1	20000823	EP 1998-954334	19981005
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, FI				
	JP 2001519372	T2	20011023	JP 2000-515555	19981005
PRAI	DE 1997-19745354	A	19971014		
	WO 1998-EP6310	W	19981005		
AB	Combinations of dehydroascorbic acid with .gtoreq.1 compd. contg. a primary or secondary amino or OH group and/or .gtoreq.1 CH-active compd., or their reaction products, are useful for prodn. of dyes for hair, wool, furs, and synthetic fibers without requiring the use of oxidizing agents such as H ₂ O ₂ . The amines and hydroxy compds. may include N-heterocycles, amino acids, oligopeptides, and arom. hydroxy compds. Dyeing may be enhanced by addn. of ammonium or metal salts. Thus, a mixt. of dehydroascorbic acid 10, 2,5-diaminotoluene sulfate 10, NaOAc 10 mmol, and 1 drop 20% fatty alkyl ether sulfate soln. was suspended in 100 mL water, heated briefly to 80.degree., cooled, filtered, adjusted to pH 6, and applied to gray hair for 30 min at 30.degree. to produce an intense violet-brown color.				
ST	dehydroascorbate alc amine hair dye				
IT	Amines, biological studies RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses) (arom.; use of compns. contg. dehydroascorbic acid for dyeing keratin fibers)				
IT	Hair preparations (dyes , oxidative; use of compns. contg. dehydroascorbic acid for dyeing keratin fibers)				
IT	Hair preparations (dyes ; use of compns. contg. dehydroascorbic acid for dyeing keratin fibers)				
IT	Heterocyclic compounds RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses) (nitrogen, hydroxylated; use of compns. contg. dehydroascorbic acid for dyeing keratin fibers)				
IT	Alcohols, biological studies Amines, biological studies RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses) (primary; use of compns. contg. dehydroascorbic acid for dyeing keratin fibers)				
IT	Alcohols, biological studies Amines, biological studies				

RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
 (secondary; use of compns. contg. dehydroascorbic acid for
dyeing keratin fibers)

IT Amino acids, biological studies

Peptides, biological studies

Phenols, biological studies

RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
 (use of compns. contg. dehydroascorbic acid for
dyeing keratin fibers)

IT Amino acids, biological studies

RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
 (.omega.-amino acids; use of compns. contg. dehydroascorbic
 acid for **dyeing** keratin fibers)

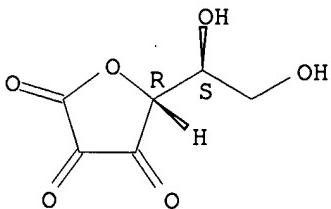
IT 59-48-3, Oxindole 62-53-3D, Aniline, derivs. 65-49-6, 4-Aminosalicylic acid 67-52-7, Barbituric acid 83-30-7, 2,4,6-Trihydroxybenzoic acid 83-56-7, 1,5-Dihydroxynaphthalene 87-02-5, 7-Amino-4-hydroxynaphthalene-2-sulfonic acid 87-66-1, Pyrogallol 88-21-1, 2-Aminobenzenesulfonic acid 89-57-6, 5-Aminosalicylic acid 89-86-1, 2,4-Dihydroxybenzoic acid 90-05-1, 2-Methoxyphenol 90-15-3, 1-Naphthol 90-20-0, 4-Amino-5-hydroxynaphthalene-2,7-disulfonic acid 92-44-4, 2,3-Dihydroxynaphthalene 92-65-9 95-54-5, 1,2-Benzenediamine, biological studies 95-55-6, 2-Aminophenol 95-70-5 95-88-5, 4-Chlororesorcinol 98-37-3, 3-Amino-4-hydroxybenzenesulfonic acid 99-05-8, 3-Aminobenzoic acid 99-07-0, 3-Dimethylaminophenol 99-31-0, 5-Aminoisophthalic acid 99-50-3, 3,4-Dihydroxybenzoic acid 101-77-9 101-80-4 102-32-9, 3,4-Dihydroxyphenylacetic acid 106-50-3, 1,4-Benzenediamine, biological studies 108-46-3, 1,3-Benzenediol, biological studies 108-72-5, 1,3,5-Triaminobenzene 108-73-6, Phloroglucinol 118-70-7, 4,5,6-Triaminopyrimidine 118-92-3, 2-Aminobenzoic acid 119-59-5, 4,4'-Diaminodiphenyl sulfoxide 119-70-0, 4,4'-Diaminodiphenylamine-2-sulfonic acid 120-72-9D, Indole, derivs. 120-80-9, 1,2-Benzenediol, biological studies 121-47-1, 3-Aminobenzenesulfonic acid 121-57-3 123-30-8 123-31-9, 1,4-Benzenediol, biological studies 139-65-1, 4,4'-Diaminodiphenyl sulfide 141-84-4, Rhodanine 141-86-6, 2,6-Diaminopyridine 149-91-7, Gallic acid, biological studies 150-13-0, 4-Aminobenzoic acid 150-19-6, 3-Methoxyphenol 150-75-4, 4-Methylaminophenol 150-76-5, 4-Methoxyphenol 156-81-0, 2,4-Diaminopyrimidine 452-58-4, 2,3-Diaminopyridine 462-08-8, 3-Aminopyridine 480-66-0 488-87-9, 2,5-Dimethylresorcinol 490-83-5D, derivs., acetals 496-73-1, 4-Methylresorcinol 504-15-4, 5-Methylresorcinol 504-17-6, Thiobarbituric acid 504-24-5, 4-Aminopyridine 504-29-0, 2-Aminopyridine 517-22-6, 2,4-Dimethyl-3-ethylpyrrole 533-31-3, 3,4-Methylenedioxyphe nol 533-73-3, Hydroxyhydroquinone 535-87-5, 3,5-Diaminobenzoic acid 537-65-5, 4,4'-Diaminodiphenylamine 578-66-5, 8-Aminoquinoline 580-17-6, 3-Aminoquinoline 580-22-3, 2-Aminoquinoline 582-17-2, 2,7-Dihydroxynaphthalene 591-27-5, 3-Aminophenol 603-81-6, 2,3-Diaminobenzoic acid 606-55-3 608-25-3 610-74-2, 2,5-Diaminobenzoic acid 611-03-0, 2,4-Diaminobenzoic acid 611-98-3, 4,4'-Diaminobenzophenone 615-50-9 615-66-7, 2-Chloro-p-phenylenediamine 615-71-4, 1,2,4-Triaminobenzene 619-05-6 623-09-6, 4-Methylaminoaniline 636-25-9, 2,5-Diaminophenol 876-87-9 934-22-5, 5-Aminobenzimidazole 1004-74-6, 2,4,5,6-Tetraaminopyrimidine 1004-75-7, 4-Hydroxy-2,5,6-triaminopyrimidine 1123-55-3, 7-Aminobenzothiazole 1125-60-6, 5-Aminoisoquinoline 1197-55-3,

4-Aminophenylacetic acid 1455-77-2, 3,5-Diamino-1,2,4-triazole
 1571-72-8, 3-Amino-4-hydroxybenzoic acid 1820-80-0, 3-Aminopyrazole
 1953-54-4, 5-Hydroxyindole 2374-03-0, 4-Amino-3-hydroxybenzoic acid
 2380-84-9, 7-Hydroxyindole 2380-86-1, 6-Hydroxyindole 2380-94-1,
 4-Hydroxyindole 2654-52-6, 2,3-Dimethylbenzothiazolium
 p-toluenesulfonate 2785-06-0, 2,3-Dimethylbenzothiazolium iodide
 2835-99-6, 3-Methyl-4-aminophenol 3131-52-0, 5,6-Dihydroxyindole
 3158-63-2, 1,3-Dimethylthiobarbituric acid 3167-49-5, 6-Aminonicotinic
 acid 3855-78-5, 2,3,4-Trimethylpyrrole 4318-76-7, 2,5-Diaminopyridine
 4331-29-7, 1H-Benzimidazol-4-amine 4506-66-5, 1,2,4,5-Tetraaminobenzene
 tetrahydrochloride 4928-43-2 5007-67-0, 3,3',4,4'-
 Tetraaminobenzophenone 5192-03-0, 5-Aminoindole 5192-04-1,
 7-Aminoindole 5192-23-4, 4-Aminoindole 5217-47-0, 1,3-
 Diethylthiobarbituric acid 5318-27-4, 6-Aminoindole 5345-47-1,
 2-Aminonicotinic acid 5418-63-3, 1,2,3,3-Tetramethyl-3H-indolium iodide
 5434-20-8, 3-Aminophthalic acid 5718-83-2, Rhodanine-3-acetic acid
 5959-52-4, 3-Amino-2-naphthoic acid 6201-65-6, 2-Chlororesorcinol
 6259-50-3 6399-72-0 6628-04-2, 4-Aminoquinaldine 6967-12-0,
 6-Aminoindazole 7169-34-8; Coumaranone 7336-20-1, Disodium
 4,4'-diaminostilbene-2,2'-disulfonate 7411-49-6 7575-35-1,
 N,N-Bis(2-hydroxyethyl)-p-phenylenediamine 7749-47-5,
 2-Amino-4-methoxy-6-methylpyrimidine 7768-28-7, 2-(2-Hydroxyethyl)phenol
 13754-19-3, 4,5-Diaminopyrimidine 14268-66-7, 3,4-Methylenedioxylaniline
 16082-33-0, 3,5-Diaminopyrazole 16867-03-1, 2-Amino-3-hydroxypyridine
 19335-11-6, 5-Aminoindazole 20103-09-7, 2,5-Dichloro-p-phenylenediamine
 22715-34-0, 2-Hydroxy-4,5,6-triaminopyrimidine 23244-87-3,
 2,4,5-Pyridinetriamine 23894-07-7, 3,6-Dihydroxy-2,7-
 naphthalenedisulfonic acid 24119-24-2 28020-38-4, 2,3-Diamino-6-
 methoxypyridine 29539-03-5, 5,6-Dihydroxyindoline 41946-53-6 49647-5
 8-7, 2,4,5,6-Tetraaminopyrimidine sulfate 53666-79-8 53760-27-3,
 4,4'-Diaminodiphenylamine sulfate 55302-96-0, 2-Methyl-5-(2-
 hydroxyethylamino)phenol 56216-28-5 60320-10-7 61224-35-9
 61693-42-3 62496-02-0, 2-(Methylamino)-4,5,6-triaminopyrimidine
 66566-48-1 66635-40-3 69984-77-6, 7-Aminobenzimidazole 70643-19-5,
 2,4-Diaminophenoxyethanol 74918-21-1 79352-72-0 80030-92-8
 83732-72-3 84540-47-6, 2,6-Dihydroxy-3,4-dimethylpyridine 84540-50-1
 85679-78-3, 3,5-Diamino-2,6-dimethoxypyridine 85926-99-4,
 4-Hydroxyindoline 90817-34-8, 3-Amino-2-(methylamino)-6-methoxypyridine
 93841-24-8, 2-(2,5-Diaminophenyl)ethanol 93841-25-9 104333-09-7
 114402-54-9 115423-86-4 126335-41-9 128729-30-6 130582-56-8
 137290-86-9 144644-13-3 159661-42-4 202525-71-1 202525-73-3
 202525-74-4 202525-75-5 202525-76-6 202525-77-7 202525-78-8
 202525-79-9 215377-52-9 220118-56-9 223383-77-5
 RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological
 study); RACT (Reactant or reagent); USES (Uses)
 (use of compns. contg. dehydroascorbic acid for
 dyeing keratin fibers)

IT 490-83-5D, derivs., acetals
 RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological
 study); RACT (Reactant or reagent); USES (Uses)
 (use of compns. contg. dehydroascorbic acid for
 dyeing keratin fibers)

RN 490-83-5 HCPLUS
 CN L-threo-2,3-Hexodiulosonic acid, .gamma.-lactone (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L41 ANSWER 19 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 1998:580170 HCAPLUS
 DN 129:265185
 TI Fragrant hair preparation **compositions** containing hydrogen peroxide
 IN Hirayama, Kiyoshi; Shishido, Yoshiaki; Kaji, Mariko; Nagano, Masago; Fukumasu, Akio
 PA Ogawa Koryo K. K., Japan; Sunstar, Inc.
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-06
 ICS A61K007-13; A61K007-46; C01B015-01
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10231234	A2	19980902	JP 1997-37526	19970221
PRAI JP 1997-37526		19970221		

AB Title compns. contain H₂O₂ and .gtoreq.1 fragrant compds. stable against H₂O₂ and show pH 1.5-5. An **acidic** hair **dye** gel was prep'd. from Black No. 401 0.5, benzyl alc. 5, xanthan gum 3, EtOH 5, H₂O₂ 4, phenacetin 0.5, pH adjuster, phenylacetaldehyde di-Me acetal 0.1, and H₂O to 100.00 wt. %. The gel showed no change in fragrance after storage at 5-50.degree. for 12 wk.

ST hair prepn fragrant hydrogen peroxide; **dye** hair fragrant hydrogen peroxide

IT Hair preparations
 (dyes; hair dyes contg. H₂O₂ and stable fragrant compds.)

IT Perfumes
 (hair dyes contg. H₂O₂ and stable fragrant compds.)

IT 60-12-8, 2-Phenylethyl alcohol 78-69-3, 3,7-Dimethyloctan-3-ol 78-70-6, 3,7-Dimethyl-1,6-octadien-3-ol 80-54-6 91-64-5, 2H-1-Benzopyran-2-one 93-92-5, 1-Phenylethyl acetate 97-53-0, 2-Methoxy-4-allylphenol 97-62-1, Ethyl iso-butyrate 101-48-4, Phenylacetaldehyde dimethyl acetal 101-84-8 101-86-0, 2-Hexyl-3-phenyl-2-propenal 103-95-7 **104-67-6**, .gamma.-Undecalactone 105-54-4, Ethyl butyrate 106-22-9, 3,7-Dimethyl-6-octen-1-ol 106-24-1 110-41-8, 2-Methylundecanal 111-12-6, Methyl 2-octynoate 111-80-8, Methyl 2-nonynoate 112-31-2, n-Decylaldehyde 112-44-7, n-Undecylaldehyde 112-45-8, 10-Undecen-1-al 112-54-9, n-Dodecylaldehyde 115-95-7 120-72-9, 2,3-Benzopyrrole, biological studies 121-33-5, 4-Hydroxy-3-methoxybenzaldehyde 122-40-7 122-78-1, Phenylacetaldehyde 124-13-0, n-Octylaldehyde 124-19-6, n-Nonylaldehyde 125-12-2, Isobornyl acetate 127-41-3 127-51-5,

4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one 140-11-4,
 Benzyl acetate 150-84-5 151-05-3 498-81-7, p-Menthane-8-ol
706-14-9, .gamma.-Decalactone 928-96-1, cis-3-Hexenol
 1203-08-3 1205-17-0 1506-02-1 2500-83-6 3681-71-8, cis-3-Hexenyl
 acetate 5413-60-5 7722-84-1, Hydrogen peroxide; biological studies
 13254-34-7, 2,6-Dimethyl-2-heptanol 14901-07-6 17511-60-3
 18479-57-7, 2,6-Dimethyl-2-octanol 18479-58-8, 2,6-Dimethyl-7-octen-2-ol
 24851-98-7 31906-04-4 35044-68-9 43052-87-5 54464-57-2
 55066-48-3, 3-Methyl-5-phenyl-1-pentanol 67634-00-8 67634-01-9
 67634-24-6 68039-49-6 116325-90-7 136132-93-9 213400-89-6
 213400-97-6

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(hair dyes contg. H₂O₂ and stable fragrant compds.)

IT 104-67-6, .gamma.-Undecalactone **706-14-9**,

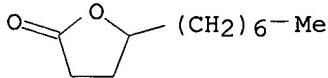
.gamma.-Decalactone

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(hair dyes contg. H₂O₂ and stable fragrant compds.)

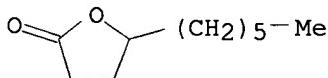
RN 104-67-6 HCPLUS

CN 2(3H)-Furanone, 5-hexyldihydro- (8CI, 9CI) (CA INDEX NAME)



RN 706-14-9 HCPLUS

CN 2(3H)-Furanone, 5-hexyldihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 20 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN

AN 1986:155705 HCPLUS

DN 104:155705

TI Dyeing composition containing dopa, dopamine, or an analog, and its use in dyeing hair

IN Herlihy, Walter C.

PA Repligen Corp., USA

SO Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW

DT Patent

LA English

IC ICM A61K007-13

ICS D06P001-32

CC 62-3 (Essential Oils and Cosmetics)

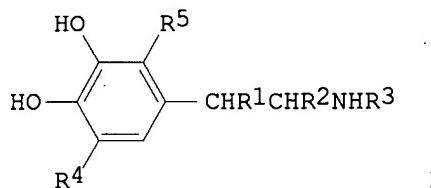
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 161073	A2	19851113	EP 1985-302457	19850404
	EP 161073	A3	19860604		

R: BE, CH, DE, FR, GB, IT, LI, NL, SE

CA 1255232	A1	19890606	CA 1985-476911	19850319
ZA 8502579	A	19851127	ZA 1985-2579	19850404
JP 60228407	A2	19851113	JP 1985-72856	19850408
US 4746322	A	19880524	US 1987-52172	19870511
PRAI US 1984-598466		19840409		
US 1984-664113		19841022		
US 1986-828129		19860211		

GI



AB A **dye compn.** comprises (1) an org. compd. to assist **dye** penetration, (2) **dye** precursor I [R1 and R2 = H, alkyl, NH2, OH, CO2H, alkoxy carbonyl, halo, alkoxy, CH2OH, CH2CH2, and (di)(alkyl)aminocarbonyl; R3 = H and alkyl; R4 and R5 = H, alkyl, NH2, OH, CO2H, alkoxy carbonyl, halo, alkoxy, NO2, SO3H, and (di)(alkyl)aminocarbonyl, and (3) an iodate or periodate oxidizing agent. The **compn.** can be used to color hair or other keratinous fibers, e.g., gray hair is **dyed** to a pleasing and stable red, brown, or black color. The **dyeing** agents are nonsensitizing and nonmutagenic. For example, gray hair is contacted with a 12% iso-PrOH soln. comprised of 5-25 mg dopamine/mL, .apprx.10% HOCH2CH2OPh, and 2-10 mg NaIO4/mL. The **dyeing** process proceeds 20-60 min, after which the **dye** hair is rinsed. The hair now has a pleasing black color.

ST hair **dye** precursor dopa dopamine

IT Ketones, uses and miscellaneous

RL: USES (Uses)
(C5-10, hair **dye** compns. contg. dopa or dopamine and, as org. penetrants)

IT Esters, uses and miscellaneous

RL: USES (Uses)
(C5-12, hair **dye** compns. contg. dopa or dopamine and, as org. penetrants)

IT Keratins

RL: BIOL (Biological study)
(fibers, **dyes** for, dopa- and dopamine-contg.)

IT Thickening agents

(hair **dye** compns. contg. dopa or dopamine and)

IT Alcohols, biological studies

Lactones

RL: BIOL (Biological study)
(hair **dye** compns. contg. dopa or dopamine and, as org. penetrants)

IT Iodates

Periodates

RL: BIOL (Biological study)
(hair **dye** compns. contg. dopa or dopamine and, as oxidizing agents)

IT Peroxysulfates
 RL: BIOL (Biological study)
 (hair **dye** compns. contg. dopa or dopamine and, for color modification)

IT Hair preparations
 (**dyes**, dopa- and dopamine-contg., with iodate or periodate oxidizers)

IT Fibers
 (keratin, **dyes** for, dopa- and dopamine-contg.)

IT 51-61-6, uses and miscellaneous 59-92-7, uses and miscellaneous
 62-31-7 63-84-3 5796-17-8
 RL: BIOL (Biological study)
 (hair **dye** compn. contg.)

IT 657-27-2
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and)

IT 452-86-8 52-90-4, uses and miscellaneous 120-80-9, uses and miscellaneous
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and, as color modifier)

IT 89-74-7 89-83-8 93-89-0 **96-48-0** 96-49-1 98-00-0
 98-85-1 98-86-2, uses and miscellaneous 100-51-6, uses and miscellaneous
 103-37-7 105-30-6 108-32-7 108-93-0, uses and
 miscellaneous 108-94-1, uses and miscellaneous 111-27-3, uses and
 miscellaneous 122-63-4 122-99-6 126-33-0 140-11-4 583-59-5
 589-92-4 614-14-2 617-94-7 622-08-2 937-30-4 2320-30-1
 3741-38-6 28452-93-9 59227-89-3 70448-03-2 101515-10-0
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and, as org. penetrant)

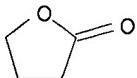
IT 7681-55-2 7790-28-5
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and, as oxidizing agent)

IT 9000-07-1 9005-08-7
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and, as thickening agent)

IT 7727-21-1 7727-54-0
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and, for color modification)

IT **96-48-0**
 RL: BIOL (Biological study)
 (hair **dye** compn. contg. dopa or dopamine and, as org. penetrant)

RN 96-48-0 HCAPLUS
 CN 2(3H)-Furanone, dihydro- (8CI, 9CI) (CA INDEX NAME)



AN 1983:185393 HCAPLUS
 DN 98:185393
 TI **Composition for dyeing** human hair
 IN Lapidus, Herbert; Shansky, Albert
 PA Combe, Inc., USA
 SO Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW

DT Patent
 LA English
 IC A61K007-13
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 70568	A2	19830126	EP 1982-106551	19820720
	EP 70568	A3	19831019		
	EP 70568	B1	19871021		
	R: BE, CH, DE, FR, GB, IT, LI, NL				
	US 4583986	A	19860422	US 1981-320927	19811113
	AU 8286083	A1	19830127	AU 1982-86083	19820716
	AU 553568	B2	19860724		
	JP 58059907	A2	19830409	JP 1982-123078	19820716
	JP 63005008	B4	19880201		
	DK 8203242	A	19830121	DK 1982-3242	19820719
	DK 164354	B	19920615		
	DK 164354	C	19921116		
	ES 514123	A1	19831001	ES 1982-514123	19820719
	CA 1197466	A1	19851203	CA 1982-407606	19820720
	BR 8204174	A	19830712	BR 1982-4174	19830719
PRAI	US 1981-285026		19810720		
	US 1981-320927		19811113		

AB A hair **dyeing compn.** consists of a Bi salt, and an adjuvant such as a catalyst having either an ether O or O possessing a resonating double bond and at least 1 S-contg. component. The catalyst is sol. in water and has a mol. wt. of 50-170. Thus, a hair **dyeing compn.** was prep'd. contg. Bi citrate [813-93-4] 0.5, triethanolamine 1.00, S 0.50, Na2S2O3 0.50, Triton times. 100 0.10 and H2O 87.40 and M-Pyrol [872-50-4] 10% by wt. The **compn.** was applied to samples of human hair for 1 min and allowed to dry. The color of the samples 24 h after **dyeing** was evaluated and rated on a scale of 1-10 with 10 being the optimum effectiveness. The **compn.** achieved a rating of 10. The presence of S in the system is necessary for the formation of Bi sulfide which is deposited on the hair to form a color.

ST hair **dye** bismuth salt; catalyst hair **dye** bismuth salt;
 sulfur hair **dye** bismuth salt

IT Hair preparations
 (dyes, bismuth salt and catalyst and sulfur compds. for)

IT 7704-34-9, biological studies 7772-98-7

RL: BIOL (Biological study)
 (hair **dyeing** compns. contg. bismuth salt and catalysts and)

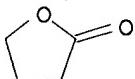
IT 96-48-0 109-99-9, biological studies 111-90-0 123-91-1,
 biological studies 872-50-4, biological studies 6837-24-7
 RL: BIOL (Biological study)

(hair **dyeing** compns. contg. bismuth salt and sulfur
 compd. and)

IT 813-93-4

RL: BIOL (Biological study)

(hair dyeing compns. contg. catalysts and sulfur compd. and)
 IT 96-48-0
 RL: BIOL (Biological study)
 (hair dyeing compns. contg. bismuth salt and sulfur
 compd. and)
 RN 96-48-0 HCPLUS
 CN 2(3H)-Furanone, dihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 22 OF 23 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 1975:520659 HCPLUS
 DN 83:120659
 TI Composition for reducing the alkalinity in cosmetic preparations
 IN Wajaroff, Theodor; Konrad, Eugen
 PA Wella A.-G., Fed. Rep. Ger.
 SO Ger. Offen., 14 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 IC A61K
 CC 62-3 (Essential Oils and Cosmetics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2349050	A1	19750424	DE 1973-2349050	19730929
	DE 2349050	C2	19850605		
	NL 7412236	A	19750402	NL 1974-12236	19740916
	NL 189028	B	19920716		
	NL 189028	C	19921216		
	CH 604706	A	19780915	CH 1974-13048	19740926
	FR 2245338	A1	19750425	FR 1974-32621	19740927
	FR 2245338	B1	19791012		
	AT 7407796	A	19760915	AT 1974-7796	19740927
	AT 336797	B	19770525		
	GB 1476239	A	19770610	GB 1974-42057	19740927
	JP 50076237	A2	19750621	JP 1974-112225	19740928
	JP 59039402	B4	19840922		
	US 3975515	A	19760817	US 1974-510846	19740930
PRAI	DE 1973-2349050		19730929		
AB	Treatment of alk. cosmetic prepns. before use with esters or org. halides decreases alky. by reacting with 1-10 wt. % of the prepn. Seven formulations of hair cosmetics (including dyes) and 2 of skin prepns. are given; e.g., alky. of 50 g hair dye was reduced 30% by 4.5 g Et lactate [97-64-3] + 50 ml 6-18% H ₂ O ₂ [7722-84-1].				
ST	cosmetic alky redn; shampoo alky redn				
IT	Cosmetics Shampoos (alkalinity of, chloro compds. and esters for neutralization of)				
IT	Hair (prepns. for, alkalinity of, chloro compds. and esters for neutralization of)				
IT	7722-84-1, biological studies				

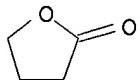
RL: BIOL (Biological study)
 (cosmetic and hair prepns. alkalinity neutralization by chloro compds.
 or esters and)

IT 96-34-4 96-48-0 97-64-3 105-37-3 105-39-5 107-07-3,
 biological studies 617-35-6 25395-31-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cosmetic and hair prepns. alkalinity neutralization by)

IT 96-48-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cosmetic and hair prepns. alkalinity neutralization by)

RN 96-48-0 HCAPLUS

CN 2(3H)-Furanone, dihydro- (8CI, 9CI) (CA INDEX NAME)



L41 ANSWER 23 OF 23 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 1968:509748 HCAPLUS
 DN 69:109748
 TI Tests for the specific components in cosmetics
 AU Tamura, Takeo; Totani, Tetsuya; Harada, Hirofumi; Yamazoe, Ritsuko; Kan, Teruo; Taniguchi, Miwako
 CS Tokyo-To Lab. Med. Sci., Tokyo, Japan
 SO Kenkyu Hokoku - Tokyo-toritsu Eisei Kenkyusho (1967), No. 25, 1-22
 CODEN: TTEKAK; ISSN: 0493-4482
 DT Journal
 LA Japanese
 CC 62 (Essential Oils and Cosmetics)
 AB Soly. differences and colorations of 42 dyes and 9 nonionic detergents in neutral, acidic, and alk. soln. were investigated, and it was found that the triphenylmethane dyes, xanthene dyes, Span 80, and Tween 80 behaved differently. In acidic soln., dyes such as methylene blue reacted with SO₃⁻, S₂O₃²⁻, CNS⁻, NO₂⁻, Br⁻, BrO₃⁻, I⁻, IO₄⁻, ClO⁻, ClO₂⁻, ClO₃⁻, and ClO₄⁻ ions, and dissolved in CHCl₃. This reaction can be used for quant. detn. of various ions, but interferes with the identification of the dyes; it also causes errors in the Epton method for detn. of anionic surfactants. Permaton Red can be easily detected in a mixt. of Permanent Orange, toluidine red, and Permaton Red by reaction with NaBH₄ or with alkali. Thirteen mercapto compds. and 14 types of cold permanent wave solns. were sepd. by paper chromatog. Sol. dyes and green and blue coloring agents were sepd. by using Amberlite ion-exchange resin paper WA-2 and WB-2 with an acidic org. solvent as a diluent. Dyes contg. amino or phenol groups were sepd. by thin-layer chromatog. using silica gel with a mixt. of C₆H₆ and Et₂NH (9:1) as solvent. Antihistamines were sepd. by silica gel thin-layer chromatog. using a BuOH-HOAc-H₂O (5:1:4) soln. Sun-screen agents, antiseptics, and vegetable oils were sepd. likewise with a petroleum ether-HOAc (88:12) soln. Pilocarpine in hair tonic was adsorbed onto a Dowex 50X-1 column and eluted with N HCl in 90% recovery. Lecithin in pomade in a CHCl₃ soln. was adsorbed onto a silica gel and eluted with EtOH. Sulfonates of com. grade Quinoline Yellow WS were detd. by potentiometric titrn. with 0.02N NaOH soln. Functional groups, such as NH₂, NH, OH, and CH₂CH₂O, in oil-sol. coloring agents and perfumes were identified by ir spectrometry.

ST cosmetic components tests; hair dyes tests; detergents tests; mercapto

compds tests; dyes tests; antihistamines; sun screen agents

IT Hair
 (chromatog. of lecithins in pomades and mercapto compds. in waving solns. and pilocarpine in tonics for)

IT Oils
 RL: BIOL (Biological study)
 (chromatog. of plant, in cosmetics)

IT Bactericides
 (chromatog. of, in cosmetics)

IT Antihistaminics
 (chromatog. of, in cosmetics, silica gel thin-layer)

IT Mercapto compounds
 RL: ANT (Analyte); ANST (Analytical study)
 (chromatog. of, in hair permanent waving solns.)

IT Lecithins, analysis
 RL: ANT (Analyte); ANST (Analytical study)
 (chromatog. of, in pomades)

IT Amino group
 Ethyleneoxy group
 Hydroxyl group, analysis
 Imino group
 (detection of, in cosmetic dyes and perfumes)

IT Cosmetics
 (detergent and dye identification and ion detn. in sun-screen and other)

IT Ions in liquids
 (detn. of, in dyes)

IT Perfumes
 (functional group identification in)

IT Detergents, analysis
 (identification of nonionic, in cosmetics)

IT Dyes
 (identification of triphenylmethane and xanthene and other, in cosmetics)

IT Sorbitan, monooleate, polyoxyethylene derivs.
 RL: ANT (Analyte); ANST (Analytical study)
 (detection of, in cosmetics)

IT Quinoline Yellow WS, sulfonate derivs.
 RL: ANT (Analyte); ANST (Analytical study)
 (detn. of, in cosmetics)

IT 2425-85-6
 RL: BIOL (Biological study)
 (Permaton Red detection in Permanent Orange and)

IT 6410-09-9
 RL: BIOL (Biological study)
 (Permaton Red detection in toluidine red and)

IT 61-73-4 1338-43-8
 RL: ANT (Analyte); ANST (Analytical study)
 (detection of, in cosmetics)

IT 2814-77-9
 RL: ANT (Analyte); ANST (Analytical study)
 (detection of, in cosmetics and Permanent Orange-toluidine red mixts.)

IT 92-13-7
 RL: ANT (Analyte); ANST (Analytical study)
 (detn. of, in hair tonic)

IT 92-13-7
 RL: ANT (Analyte); ANST (Analytical study)
 (detn. of, in hair tonic)

RN 92-13-7 HCPLUS

CN 2(3H)-Furanone, 3-ethylidihydro-4-[(1-methyl-1H-imidazol-5-yl)methyl]-,
(3S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

